

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF HAWAII**

**In the Matter of the Application of
HAWAIIAN ELECTRIC COMPANY, INC.
For Approval of Rate Increases and Revised Rate
Schedules and Rules**

DOCKET NO. 2006-0386

MOTION TO ADJUST INTERIM INCREASE

MEMORANDUM IN SUPPORT OF MOTION

EXHIBITS 1 - 4

AND

CERTIFICATE OF SERVICE

**GOODSILL ANDERSON QUINN & STIFEL
A LIMITED LIABILITY LAW PARTNERSHIP LLP**

**THOMAS W. WILLIAMS, JR.
PETER Y. KIKUTA
DAMON L. SCHMIDT
Alii Place, Suite 1800
1099 Alakea Street
Honolulu, Hawaii 96813
Telephone: (808) 547-5600
Facsimile: (808) 547-5880**

**Attorneys for
HAWAIIAN ELECTRIC COMPANY, INC.**

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF HAWAII**

**In the Matter of the Application of
HAWAIIAN ELECTRIC COMPANY, INC.
For Approval of Rate Increases and Revised Rate
Schedules and Rules**

DOCKET NO. 2006-0386

MOTION TO ADJUST INTERIM INCREASE

Hawaiian Electric Company, Inc. (“HECO” or the “Company”) respectfully moves the Commission to adjust the interim increase for the 2007 test year granted in Interim Decision and Order No. 23749 (“Interim D&O 23749”), issued October 22, 2007, in this proceeding (Docket No. 2006-0386), in order to tie the interim increase to the new rates being implemented in Docket No. 04-0113 (HECO’s 2005 test year rate case). The amount of the interim revenue requirement for the 2007 test year stipulated to by the parties¹ in Docket No. 2006-0386 would remain the same, but the amount of the interim increase over the revenues from the new base rates in Docket No. 04-0113 would need to be adjusted to obtain the stipulated revenue requirement of \$1,480,454,000² for the 2007 test year.³

By Stipulated Settlement Letter filed on September 6, 2007, the parties agreed that the amount of the interim rate increase for the 2007 test year to which HECO is probably entitled

¹ The parties in Docket No. 04-0113 and Docket No. 2006-0386 are HECO, the Division of Consumer Advocacy of the Department of Commerce and Consumer Affairs (“Consumer Advocate”) and the Department of the Navy on behalf of the Department of Defense (“DOD”).

² Interim D&O 23749, Exhibit A, page 1 (Interim Rates, Total Operating Revenues).

³ As more fully discussed in the Memorandum in Support of Motion attached hereto, the parties have agreed to increase the stipulated revenue requirement from \$1,480,454,000 to \$1,480,538,000, or \$84,000, in order to incorporate into the interim increase calculation the Commission’s recent adoption of interest synchronization in Docket No. 04-0113. See Exhibits 1 and 3.

under Hawaii Revised Statutes (“HRS”) §269-16(d) is \$69,997,000 over revenues at current effective rates⁴ (and \$127,293,000 over revenues at present rates⁵).⁶ (See Interim D&O 23749 at 8.) Revenues at “current effective rates” are revenues from the base rates in effect prior to Docket No. 04-0113, plus the interim rate increase approved by the Commission in Interim Decision and Order No. 22050 (“Interim D&O 22050”), issued on September 27, 2005, in Docket No. 04-0113, and the interim surcharge for distributed generation (“DG”) fuel and trucking and low sulfur fuel oil (“LSFO”) trucking (“DG/LSFO Fuel and Trucking Interim Surcharge”) authorized in Order No. 23377 (April 23, 2007) in Docket No. 04-0113. (Interim D&O 23749 at 8 n.10.) Revenues at “present rates” are revenues from the base rates in effect prior to Docket No. 04-0113, without including the interim rate increase and interim surcharge revenues. (Interim D&O 23749 at 8 n.11.) The interim increase of \$69,997,000 over revenues at current effective rates and the interim increase of \$127,293,000 over revenues at present rates result in the same level of interim revenue requirement (\$1,480,454,000).

By Interim D&O 23749 in Docket No. 2006-0386, the Commission approved, on an interim basis, HECO’s request to increase its rates to such levels as would produce, in the aggregate, \$69,997,000 in additional revenues, or 4.96 per cent over revenues at current effective rates for a normalized 2007 test year. (Interim D&O 23749 at 1.) Interim D&O 23749 recognized that the parties also agreed that the “final rates set in Docket No. 04-0113 may impact revenues at current effective rates and at present rates, and that the amount of the stipulated interim rate increase should be adjusted when the final rates are set to take into account any such changes.” (Interim D&O 23749 at 8; see Stipulated Settlement Letter at 3.)

⁴ HECO 2007 Test Year Rate Case – Statement of Probable Entitlement, Exhibit 1, page 1.

⁵ HECO 2007 Test Year Rate Case – Statement of Probable Entitlement, Exhibit 2, page 1.

⁶ Pursuant to the Stipulated Settlement Letter, on September 6, 2007, HECO filed a Statement of Probable Entitlement that reflected the parties’ stipulated agreements.

The amount of the interim increase over the final rates to be implemented in Docket No. 04-0113 that is necessary to produce the stipulated level of interim revenue requirement in Docket No. 2006-0386 is \$77,783,000 (Exhibit 3 of this document, page 1). .

In addition, given the Commission's decision in Docket No. 04-0113 to adopt interest synchronization as the mechanism for determining interest expense in HECO's 2005 test year rate case, the parties agree that interest synchronization should also be used for the purposes of calculating the interim adjustment requested in this motion. The revenue requirement impact of incorporating interest synchronization for the adjustment to the 2007 test year interim increase is \$84,000. Therefore, HECO respectfully requests that the Commission approve an adjusted 2007 test year rate case interim increase of \$77,867,000 over revenues at the final rates implemented in Docket No. 04-0113, to be effective on the same date as the final rates in Docket No. 04-0113 (Exhibit 1 of this document, page 1).

This motion is based on the Memorandum in Support of Motion attached hereto, and the entire record herein. The Consumer Advocate and the DOD have reviewed the calculation of the adjusted interim rate increase, and agree that it has been correctly calculated. HECO does not request a hearing on this Motion.

DATED: Honolulu, Hawaii, May 21, 2008.



THOMAS W. WILLIAMS, JR.
PETER Y. KIKUTA
DAMON L. SCHMIDT

Attorneys for
HAWAIIAN ELECTRIC COMPANY, INC.

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF HAWAII**

**In the Matter of the Application of
HAWAIIAN ELECTRIC COMPANY, INC.
For Approval of Rate Increases and Revised Rate
Schedules and Rules**

DOCKET NO. 2006-0386

MEMORANDUM IN SUPPORT OF MOTION

Hawaiian Electric Company, Inc. (“HECO” or “Company”) respectfully submits this Memorandum in support of its Motion to adjust the interim increase for the 2007 test year granted in Interim Decision and Order No. 23749 (“Interim D&O 23749”), issued October 22, 2007, in this proceeding (Docket No. 2006-0386), in order to tie the interim increase to the new rates being implemented in Docket No. 04-0113. The amount of the interim revenue requirement for the 2007 test year stipulated to by the parties¹ in Docket No. 2006-0386 remains the same, but the amount of the interim increase over the revenues from the new base rates in Docket No. 04-0113 must be adjusted to obtain the stipulated revenue requirement of \$1,480,454,000² in the 2007 test year.

The amount of the interim increase over the final rates to be implemented in Docket No. 04-0113 that is necessary to produce the stipulated level of interim revenue requirement in Docket No. 2006-0386 is \$77,783,000 (Exhibit 3 of this document, page 1). In addition, given

¹ The parties in Docket No. 04-0113 and Docket No. 2006-0386 are HECO, the Division of Consumer Advocacy of the Department of Commerce and Consumer Affairs (“Consumer Advocate”) and the Department of the Navy on behalf of the Department of Defense (“DOD”).

² Interim D&O 23749, Exhibit A, page 1 (Interim Rates, Total Operating Revenues).

the Commission's decision in Docket No. 04-0113 to adopt interest synchronization as the mechanism for determining interest expense in HECO's 2005 test year rate case (Order No. 24068, page 11, Decision and Order No. 24171, page 100), the parties agree that interest synchronization should also be used for the purposes of calculating the interim adjustment requested in this motion. The revenue requirement impact of incorporating interest synchronization for the adjustment to the 2007 test year interim increase is \$84,000. Therefore, HECO respectfully requests that the Commission approve an adjusted 2007 test year rate case interim increase of \$77,867,000 over revenues at the final rates implemented in Docket No. 04-0113, to be effective on the same date as the final rates in Docket No. 04-0113 (Exhibit 1 of this document, page 1).

I. BACKGROUND

A. DOCKET NO. 04-0113 - HECO 2005 TEST YEAR RATE CASE

On November 12, 2004, HECO filed its application, direct testimonies, exhibits and workpapers for a general rate increase in a 2005 normalized test year in Docket No. 04-0113. On September 16, 2005, the parties filed a Stipulated Settlement Letter that settled all but three issues in this proceeding: (1) whether \$78,791,000 of a prepaid pension asset should be included in rate base,³ (2) whether \$750,000 for conservation informational advertising expenses should be included in the 2005 test year revenue requirement and (3) whether interest synchronization should be used to determine interest expense for the computation of income taxes. (HECO 2005 Test Year Rate Case – Stipulated Settlement Letter, filed September 16, 2005, Exhibit I, Exhibit II, pages 5, 8.)

On September 27, 2005, the Commission issued Interim Decision and Order No. 22050

³ The parties agreed that the exclusion of all or a portion of the prepaid pension asset from rate base will also require a corresponding adjustment to the accumulated deferred income tax ("ADIT") reserve. The portion of ADIT associated with the prepaid pension asset amounted to \$28,483,000.

(“Interim D&O 22050”), which allowed HECO to increase its rates on an interim basis by \$53,288,000 for the 2005 test year. (Interim D&O 22050 at 13.) It stated that for the purposes of this interim decision and order, the Commission found that HECO was probably entitled to include the \$78,791,000 in prepaid pension asset in rate base, with a corresponding adjustment of \$28,483,000 to the ADIT reserve (at 9). Page 1 of Exhibit A of Interim D&O 22050 specified a test year revenue requirement of \$1,274,885,000. On September 28, 2005, HECO filed its tariffs to implement a surcharge for the interim increase, effective that day.

By Order No. 23377, issued April 23, 2007, the Commission allowed HECO to establish and implement a new and separate interim surcharge to recover its additional distributed generation (“DG”) and low sulfur fuel oil (“LSFO”) costs, incurred on or after the effective date of the new and separate interim surcharge (“DG/LSFO Fuel and Trucking Interim Surcharge”), for the period that HECO’s interim rates are applicable. On April 30, 2007, HECO filed the proposed Interim Surcharge tariff sheet, and related updated tariff index sheet, with an effective date of May 1, 2007.

B. DOCKET NO. 2006-0386 - HECO 2007 TEST YEAR RATE CASE

On December 22, 2006, HECO filed its application, direct testimonies, exhibits and workpapers in Docket No. 2006-0386 for a general rate increase for a normalized 2007 test year. On September 6, 2007, the parties filed a HECO 2007 Test Year Rate Case – Stipulated Settlement Letter documenting the agreements reached between the parties. The parties reached agreement on all but two issues: (1) whether the Company’s pension asset should be included in rate base,⁴ and (2) whether interest synchronization should be used to determine the interest

⁴ HECO proposed to include \$59,405,000 of pension asset in the test year average rate base. The portion of the Accumulated Deferred Income Taxes (“ADIT”) related to the pension asset amounted to \$23,114,000. The Parties agreed that the exclusion of all or a portion of the pension asset in rate base will also require corresponding adjustment to ADIT. The Consumer Advocate and the DOD opposed the inclusion of HECO’s pension asset in rate base. For purposes of the interim decision, the Parties

expense deduction for computing the test year income tax expense. (Stipulated Settlement Letter at 1.) The parties agreed that these issues need not be addressed in an evidentiary hearing and that the parties may file proposed findings of fact and conclusions of law⁵ on the pension asset issue only.⁶

The parties agreed that the amount of the interim rate increase to which HECO was probably entitled was \$69,997,000 over revenues at current effective rates and \$127,293,000 over revenues at present rates. (See Interim D&O 23749 at 8.) Revenues at “current effective rates” for the 2007 test year, based on the stipulated results of operations for the interim, are revenues from the base rates in effect prior to Docket No. 04-0113 (HECO’s 2005 test year rate case)⁷, plus the interim rate increase approved by the Commission in Interim D&O 22050 in Docket No. 04-0113, and the DG/LSFO Fuel and Trucking Interim Surcharge authorized in Order No. 23377 (April 23, 2007) in Docket No. 04-0113. (Interim D&O 23749 at 8 n.10.) Revenues at current effective rates totaled \$1,410,457,000. (HECO’s Statement of Probable Entitlement at Exhibit 1, page 1.) The difference between the stipulated interim revenue requirement (\$1,480,454,000) and the revenues at current effective rates (\$1,410,457,000) equal the interim rate increase of \$69,997,000 over revenues at current effective rates. (Id.)

agreed to exclude the pension asset and related ADIT from rate base (Interim Decision and Order No. 23749, page 5). The parties agreed to address the issue in their respective proposed findings of fact and conclusions of law and responses to proposed findings of fact and conclusions of law, based on the record in this proceeding and agreed that further examination of the issue at an evidentiary hearing was unnecessary. (HECO 2007 Test Year Rate Case – Stipulated Settlement Letter, Exhibit 1, pages 20-21.)

⁵ In Order No. 23612 filed on August 24, 2007, the Commission modified the parties’ proposed Procedural Schedule by requiring the filings of proposed findings of fact and conclusions of law in lieu of opening and reply briefs. As a result, the settlement letter reflects the modified procedural steps reflected in Order No. 23612.

⁶ The Parties also have agreed on all but one issue affecting rate design.

⁷ The “base rates” in effect prior to Docket No. 04-0113 include the base rates set in Docket No. 7766 (HECO’s 1995 test year rate case), as adjusted by the ECAC and the AES sur-credit. The AES sur-credit was implemented based on the annual reduction in capacity payments to AES Hawaii, Inc. (“AES Hawaii”) made pursuant to Amendment No. 2 to Power Purchase Agreement between AES Hawaii and HECO, dated May 8, 2003 (“Amendment No. 2”), which reduced the payment rate for HECO’s capacity payments to AES Hawaii. Amendment No. 2 was approved by Decision and Order No. 20292, issued July 1, 2003, in Docket No. 03-0126, as clarified by Order No. 20310, issued July 9, 2003.

Revenues at “present rates” for the 2007 test year are revenues from the base rates in effect prior to Docket No. 04-0113, without including the interim rate increase and interim surcharge revenues. (Interim D&O 23749 at 8 n.11.) Revenues at present rates totaled \$1,353,159,000. The difference between the stipulated interim revenue requirement (\$1,480,454,000) and the revenues at present rates equal the interim rate increase of \$127,293,000 over revenues at present rates.

The parties agreed that among other things, the settlement eliminated the need for HECO’s rebuttal testimonies and evidentiary hearings. (Stipulated Settlement Letter at 2.) The parties also agreed that the final rates set in Docket No. 04-0113 may impact revenues at current effective rates and at present rates, and that the amount of the stipulated interim rate increase for the HECO 2007 test year rate case will be adjusted to take into account any such changes. (Stipulated Settlement Letter at 3.)

The agreed upon interim increase of \$69,997,000 over revenues at current effective rates was based on electric sales revenues of \$1,406,573,000 at current effective rates (HECO 2007 Test Year Rate Case – Statement of Probable Entitlement, Exhibit 1, page 1), which included \$51,885,200 of revenues from the surcharge for the interim increase in the 2005 test year rate case, as was included in the Company’s June 2007 Update, HECO T-3, page 4 (Supplemental); and Exhibit 2, page 2 of this document. The parties agreed with the Consumer Advocate’s position that the test year electric sales revenues at current effective rates should include twelve months of revenues from the DG/LSFO Fuel and Trucking Interim Surcharge (rather than eight months as originally proposed by the Company). Thus, the revenues from this surcharge for the 2007 test year were increased to \$5,358,200 (HECO 2007 Test Year Rate Case - August 2007 Supplement, HECO T-3, Attachment 1). The agreed upon electric sales revenues at current

effective rates also included a \$694,870 increase to energy cost adjustment clause (“ECAC”) revenues resulting from an adjustment to test year purchased power expenses. (Exhibit 2, page 1; HECO 2007 Test Year Rate Case – Stipulated Settlement Letter, Exhibit 1, page 3).

The \$57,296,000 difference between the revenues at present rates of \$127,293,000 and the revenues at current effective rates of \$69,997,000 was due to the \$51,885,200 of revenues from the surcharge for the interim increase in the 2005 test year rate case, the \$5,358,200 from the DG/LSFO Fuel and Trucking Interim Surcharge, and approximately \$53,000 of late payment charge revenues associated with the 2005 test year rate case interim surcharge and DG/LSFO Fuel and Trucking Interim Surcharge revenues.⁸

For purposes of an interim decision in the 2007 test year rate case, the parties agreed to exclude the pension asset and related ADIT from rate base. (HECO 2007 Test Year Rate Case – Stipulated Settlement Letter, Exhibit 1, page 21.) Thus, the proposed interim increase (to which the parties agreed HECO was probably entitled) of \$69,997,000 over revenues at current effective rates and \$127,293,000 over revenues at present rates (and the resulting revenue requirement of \$1,480,454,000 for the 2007 test year⁹) reflected the exclusion of the pension asset and associated ADIT from rate base.

Pursuant to the Stipulated Settlement Letter, on September 6, 2007, HECO filed a Statement of Probable Entitlement that reflected the parties’ stipulated agreements. Thus, HECO requested the identical interim rate increase to which the parties agreed in the Stipulated Settlement Letter – i.e., \$69,997,000 over revenues at current effective rates and \$127,293,000

⁸ The parties agreed to multiplying a late payment charge factor of .095% to the electric sales revenues at interim rates to determine the late payment charges at interim rates (HECO 2007 Test Year Rate Case – Stipulated Settlement Letter, Exhibit 1, page 2).

⁹ HECO 2007 Test Year Rate Case – Statement of Probable Entitlement, Exhibit 1, page 1. There is a slight difference in the revenue requirement in the current effective rates scenario compared to the present rates scenario due to rounding. Shown above is the revenue requirement in the current effective rates scenario. The revenue requirement in the present rates scenario was \$1,480,452,000 (HECO 2007 Test Year Rate Case – Statement of Probable Entitlement, Exhibit 2, page 1).

over revenues at present rates, based on a revenue requirement of \$1,480,454,000 for the 2007 test year.

On October 22, 2007, the Commission issued Interim D&O 23749, approving an increase in revenues, on an interim basis, of \$69,997,000, or 4.96 per cent over revenues at current effective rates for a normalized 2007 test year. (Interim D&O 23749 at 1.) Page 1 of Exhibit A reflected the associated revenue requirement of \$1,480,454,000. As indicated on page 1 of Exhibit B of Interim D&O 23749, no dollars for the pension asset were included in rate base.

On October 22, 2007, HECO filed its revised tariff sheets reflecting interim rate increase surcharges, implementing an interim revenue increase of \$69,930,600. On October 26, 2007, HECO filed corrected tariff sheets in order to correct an error.¹⁰

C. REVISED RESULTS OF OPERATIONS FOR THE 2005 TEST YEAR

On October 22, 2007, the Commission issued Proposed Decision and Order No. 23748 for the HECO 2005 test year rate case (Docket No. 04-0113). On October 25, 2007, the Commission issued Amended Proposed Decision and Order No. 23768 (“Amended Proposed D&O”) which superseded Proposed Decision and Order No. 23748. The Amended Proposed D&O indicated that the prepaid pension asset (net of an adjustment to ADIT) would not be included in rate base, and that the \$750,000 of conservation information advertising expenses would not be included in the test year revenue requirement (at 98).

On October 31, 2007, the DOD filed its Exceptions to the Amended Proposed D&O. On November 6, 2007, the Consumer Advocate filed a letter that notified the Commission that the

¹⁰ The rate schedule percentage increases should have been applied to base revenues, which include customer, demand, energy, and other charges specified on the rate schedule tariff sheets. Base revenues exclude surcharges and adjustments, including the energy cost adjustment and the interim rate increase. The interim rate increase percentages filed on October 22, 2007 were determined on an estimate of base revenues that inadvertently included the 2005 interim rate increase. HECO corrected the applicable 2007 interim rate increase percentages effective October 26, 2007. The corrected percentages resulted in no change to the interim revenue increase of \$69,930,600.

Consumer Advocate was not filing exceptions to the Amended Proposed D&O. On November 7, 2007, HECO filed a letter that notified the Commission that HECO was not filing exceptions to the Amended Proposed D&O.

On March 4, 2008, the Commission issued Order No. 24068 in Docket No. 04-0113, adopting the interest synchronization method as the mechanism for computing interest expense in the HECO 2005 test year rate case proceeding. The order required the parties to file stipulated revised results of operation schedules to reflect amounts consistent with the Commission's decisions in this order and the Amended Proposed D&O, for the Commission's review and approval, and for subsequent incorporation into the Commission's final decision and order in that docket. On March 28, 2008, the parties filed stipulated revised results of operations for the 2005 test year that excluded the pension asset and associated ADIT from rate base, included an interest expense deduction computed using the interest synchronization method for the purpose of calculating income tax expense for the 2005 test year, and incorporated adjustments for demand-side management ("DSM") expenses and field collection charge revenues to be consistent with the findings specified in the Amended Proposed D&O. Page 1 of Exhibit 1 of the stipulated revised results of operations reflected a revenue increase of \$44,862,000 (revenue requirement of \$1,266,459,000) compared to the interim award of \$53,288,000 (revenue requirement of \$1,274,885,000) approved in Interim D&O 22050. The difference between the revenue requirement for the revised results of operations and the interim results of operations reflected in Interim D&O 22050 can be attributed to the factors shown in the table below:

TABLE 1
FACTORS IMPACTING
2005 TEST YEAR REVENUE REQUIREMENT
(000's)

	Revenue Requirement
Interim Decision and Order No. 22050	\$1,274,885
Exclusion of Pension Asset (Net of ADIT) from Rate Base	(7,547)
Amended Proposed D&O 23768	1,267,338
DSM/Field Collection Charge Adjustment	(1,147)
Exhibit 4 of Revised Results of Operations	1,266,191
Incorporate Interest Synchronization	268
Exhibit 1 of Revised Results of Operations	<u>\$1,266,459</u>

As shown above, the exclusion of the prepaid pension asset (net of ADIT) from rate base accounted for \$7.5 million of the difference in revenue requirement between Interim D&O 22050 and the revised results of operations. Reduction of DSM expenses from the 2005 test year revenue requirement for recovery through the DSM component of the Integrated Resource Planning Cost Recovery Provision ("DSM Surcharge") and the reduction of field collection charge revenues accounted for another \$1.15 million in reduced revenue requirement. The use of interest synchronization to determine the interest expense deduction for the computation of income taxes increased the 2005 test year revenue requirement by \$268,000.

On May 1, 2008, the Commission issued the final decision and order for the HECO 2005 test year rate case – Decision and Order No. 24171 ("Final D&O"). The Final D&O authorized a revenue requirement of \$1,266,459,000.

D. ADJUSTED INTERIM INCREASE

Calculated revenues at the final rates implemented in Docket No. 04-0113 for the 2007

test year total \$1,402,671,000. (Exhibit 1 of this document, page 1.) The difference between the stipulated interim revenue requirement (\$1,480,454,000) and the revenues at the final rates implemented in Docket No. 04-0113 (\$1,402,671,000) equal an adjusted interim rate increase of \$77,783,000. The incorporation of interest synchronization adds another \$84,000 to the 2007 test year revenue requirement and increases the adjusted interim rate increase to \$77,867,000 (Exhibit 1, page 1 of this document).

Revenues at the final rates implemented in Docket No. 04-0113 for the 2007 test year (\$1,402,671,000) are lower than revenues at current effective rates (\$1,410,457,000), because the final rate increase of \$44,862,000 approved in Docket No. 04-0113 was lower than the interim rate increase of \$53,288,000 approved in Interim D&O 22050 for that proceeding, and certain DSM costs were removed from base rates and are to be recovered through the DSM Surcharge. The final rate increase of \$44,862,000 reflects the exclusion of the prepaid pension asset that was included in rate base for purposes of the interim increase in Docket No. 04-0113, offset to some extent by the inclusion of interest synchronization. The remaining difference results from removing the DSM costs from base rates and reducing field collection charge revenues. Table 1 above shows the impact of these effects on the 2005 test year revenue requirement.

II. DISCUSSION

As a result of the differences between the revenues at “current effective rates” and the revenues at final rates implemented in Docket No. 04-0113 (which is primarily due to the disallowance of the pension asset from rate base in the Final D&O in the HECO 2005 test year rate case), an adjustment to the interim increase for the 2007 test year rate case will be necessary to allow the Company the opportunity to generate the level of revenues needed to earn its authorized rate of return and to avoid a double counting of the pension asset disallowance. The

parties in the 2007 test year rate case anticipated the possible need for an adjustment and included the following provision in the Stipulated Settlement Letter, executed by the parties and filed on September 6, 2007 (at 3):

The Parties agree that the amount of the Interim Rate Increase to which HECO is probably entitled under §269-16(d) of the Hawaii Revised Statutes is \$69,997,000 over revenues at current effective rates¹¹ (and \$127,293,000 over revenues at present rates¹²). The Parties also agree that the final rates set in Docket No. 04-0113 may impact revenues at current effective rates and at present rates, and that the amount of the stipulated interim rate increase will be adjusted to take into account any such changes.

The interim increase for the HECO 2007 test year rate case must be adjusted from \$69,997,000 to \$77,867,000 (Exhibit 1, page 1 of this document), and should be made effective on the same day as the effective date of the final rates for the HECO 2005 test year rate case. In the discussion below, the Company will further explain why this adjustment is necessary.

A. **ALTHOUGH THE REVENUE AWARD FOR THE 2005 TEST YEAR HAS CHANGED, HECO'S 2007 TEST YEAR REVENUE REQUIREMENT WOULD NOT CHANGE EXCEPT FOR THE IMPACT OF INTEREST SYNCHRONIZATION**

The test year is the time period over which a utility's revenue requirement is evaluated in a rate case. Thus, the revenue requirement approved in a particular test year represents the level of revenues the utility needs to realize in order to have an opportunity to recover the normalized level of operating expenses and earn the authorized rate of return on rate base for that year. The test year provides a snap shot of the utility's revenues and costs over the twelve month period and investments at the end of that period. As a result, the revenue requirement for different test

¹¹ Revenues at current effective rates are revenues from base rates plus the interim rate increase approved by the Commission in Interim Decision and Order No. 22050 in HECO's 2005 test year rate case, Docket No. 04-0113, and the interim surcharge for DG trucking and fuel and LSFO trucking authorized in Order No. 23377 in Docket No. 04-0113.

¹² Revenues at present rates are revenues from base rates, but do not include the interim rate increase and interim surcharge revenues.

years is mutually exclusive. In effect, the revenue requirement approved for the latest test year supersedes the revenue requirement approved for a previous test year since the latest revenue requirement represents an update of the level of revenues required to recover the utility's most recent costs and have the opportunity to earn the rate of return on the test year rate base. For example, the revenue requirement approved on an interim basis for the 2005 test year in Docket No. 04-0113 was \$1,274,885,000. (Interim D&O 22050, Exhibit A, page 1.) Due to higher operating costs and plant investments added since 2005, the revenue requirement approved on an interim basis for the 2007 test year in Docket No. 2006-0386 increased to \$1,480,454,000. (Interim D&O 23749, Exhibit A, page 1.) In the case of the HECO 2005 and 2007 test year rate cases, the surcharge to recover HECO's 2005 test year interim award was still effective when the surcharge to recover the interim award for the 2007 test year went into effect. The Commission subsequently issued the Final D&O for the 2005 test year rate case, which reduced the 2005 test year revenue requirement to \$1,266,459,000. The revenues for the 2007 test year based on the final rates being implemented in Docket No. 04-0113 are \$1,402,671,000, compared to revenues of \$1,410,457,000 at the "current effective rates" that were in effect at the time the interim in Docket No. 2006-0386 was implemented. As a result, the interim increase for the 2007 test year rate case will have to be adjusted upwards so that the Company will be able to recover the \$1,480,454,000 revenue requirement for the 2007 test year. The table below illustrates this:

TABLE 2
2007 TEST YEAR REVENUE REQUIREMENTS
(000's)

	Interim Decision and Order No. 23749 (at Current Effective Rates)	After Final D&O in 2005 Test Year Rate Case
Base Rate Revenue	785,814 ¹	1,245,430 ⁴
2005 Rate Case Interim Surcharge	51,885 ²	
AES Sur-Credit	(3,191) ¹	
ECAC	566,707 ¹	153,335 ⁴
DG/LSFO Fuel and Trucking Interim Surcharge	5,358 ¹	
Electric Sales Revenues	1,406,573 ¹	1,398,765 ⁴
Other Operating Revenues	3,384 ³	3,406 ⁵
Gain on Sale of Land	500 ³	500 ⁵
Total Operating Revenues	1,410,457 ³	1,402,671 ⁵
2007 Test Year Revenue Requirement	1,480,454 ³	1,480,454 ⁵
2007 Test Year Interim Increase Required	69,997	77,783

¹ Exhibit 2, page 2

² Exhibit 2, page 2

³ Interim Decision and Order No. 23749, Docket No. 2006-0386, Exhibit A, page 1

⁴ Exhibit 1, page 14

⁵ Exhibit 3, page 1

The second column of the above table shows that the 2005 test year rate case interim surcharge, the ECAC amount (based on the 2007 test year fuel prices and purchased energy costs), the AES sur-credit, and the DG/LSFO Fuel and Trucking Interim Surcharge are being incorporated into base rates as a result of the Final D&O in the 2005 test year rate case. The ECAC has also been reset according to the energy cost adjustment factor ("ECAF") to which the parties agreed in the Stipulated Settlement Letter for the 2005 test year rate case. However, the total electric sales revenues for the 2007 test year based on the final rates being implemented in Docket

No. 04-0113 are reduced from \$1,406,573,000 (based on “current effective rates”) to \$1,398,765,000, primarily as a result of the disallowance of the pension asset (net of ADIT) from rate base in the 2005 test year Final D&O. As indicated in Table 2, the electric sales revenue of \$1,406,573,000 included \$51,885,000 of surcharge revenues from the 2005 test year rate case interim award at “current effective rates”, which as explained earlier, was based on the inclusion of the pension asset in rate base. The \$1,398,765,000 of electric sales revenue was based on the 2007 test year sales forecast. (Exhibit 1 of this document, page 14.) These final rates resulted from the revenue requirement of \$1,266,459,000 authorized in the Final D&O for the HECO 2005 test year rate case. (See HECO 2005 Test Year Rate Case Final Tariff Sheets and Rate Schedules, Exhibit 3).

Excluding the effect of interest synchronization, the 2007 test year revenue requirement would remain at \$1,480,454,000, which already reflects the exclusion of the pension asset (net of ADIT) from rate base.¹³ Page 1 of Exhibit B of Interim D&O 23749 of the 2007 test year rate case confirms that the Company’s average test year rate base excludes the pension asset and that the resulting average depreciated test year rate base supports the revenue requirement of \$1,480,454,000 shown on page 1 of Exhibit A of Interim D&O 23749. Any further reduction of the 2007 test year revenue requirement for the exclusion of the pension asset from rate base would be a double counting of that disallowance. Because the Final D&O in the 2005 test year rate case reduces 2007 test year revenues (at final rates approved in Docket No. 04-0113) to \$1,402,671,000, the interim increase for the 2007 test year rate case would need to be increased to \$77,783,000 for the Company to have the opportunity to achieve the 2007 test year revenue requirement of \$1,480,454,000. Adding in the impact of interest synchronization (\$84,000), the

¹³ The 2007 test year revenue requirement as reflected in the revised results of operations filed on March 28, 2008 is slightly less than \$1,480,454,000 due to rounding.

2007 test year revenue requirement would increase to \$1,480,538,000 and the interim increase for the 2007 test year would be \$77,867,000 (Exhibit 1 of this document, page 1).

B. THE 2007 TEST YEAR INTERIM INCREASE MUST BE INCREASED TO AVOID DOUBLE COUNTING THE DISALLOWANCE OF THE PENSION ASSET

Another way of understanding why the 2007 test year interim increase must be adjusted is to examine how the current 2007 test year interim increase was derived. As explained above, the 2005 test year interim increase of \$53,288,000 (Interim D&O 22050, Exhibit A, page 1) was based on an average test year rate base that included a prepaid pension asset of \$78,791,000. The interim increase of \$69,997,000 over current effective rates that the Commission approved for the 2007 test year rate case (Interim D&O 23749, Exhibit A, page 1) was based on the Company receiving \$51,885,200 of surcharge revenues from the 2005 test year interim increase, \$5,358,200 of revenues from the DG/LSFO Fuel and Trucking Interim Surcharge and \$53,000 of additional late payment charges.¹⁴ Without these revenues, the 2007 test year interim increase would have been \$127,293,000 over revenues at present rates. (HECO 2007 Test Year Rate Case – Statement of Probable Entitlement, Exhibit 2, page 1.)

These 2007 interim increase amounts (i.e., \$69,997,000 and \$127,293,000) reflected the exclusion of the pension asset from rate base. Page 1 of Exhibit B of Interim Decision and Order No. 23749 of the 2007 test year rate case confirms that the Company's average test year rate base excludes the pension asset and that the resulting average depreciated test year rate base supports the interim increase of \$69,997,000 over revenues at current effective rates shown on page 1 of Exhibit A of Interim D&O 23749. Page 3 of Exhibit 2 of the HECO 2007 Test Year Rate Case –

¹⁴ The 2005 test year interim surcharge revenue amount of \$51,885,000 for the 2007 test year is less than the interim award of \$53,288,000 for the 2005 test year primarily because the 2007 test year estimate of base revenues of \$785,813,700 was lower than the estimate of base revenues used to establish the 2005 test year interim surcharge percentage rates, which was \$806,252,700. See HECO 2005 Test Year Rate Case – Tariff for Interim Rate Increase, September 28, 2005, Exhibit 3, page 2.

Statement of Probable Entitlement also confirms the exclusion of the pension asset from the Company's rate base and that the resulting average depreciated test year rate base supports the interim increase of \$127,293,000 over revenues at present rates on page 1 of Exhibit 2 of the 2007 test year Statement of Probable Entitlement.

Thus, the surcharges for the 2005 and 2007 test year interim increases that were in effect prior to the issuance of the Final D&O in the 2005 test year rate case together with the base rates then in effect resulted in a level of revenues that already reflected the exclusion of the pension asset from rate base. The 2007 test year interim increase was designed based on the 2005 test year interim increase being in effect at the same time. Although the 2005 test year interim increase reflected the inclusion of the pension asset in rate base, the 2007 interim increase negated that inclusion and reflected the exclusion of the pension asset. The Final D&O for the 2005 test year rate case has lowered the revenue increase for the 2005 test year from \$53,288,000 to \$44,862,000 largely due to the exclusion of the pension asset from rate base. If the 2007 test year interim increase remains at \$69,997,000, the disallowance of the pension asset from rate base will be counted twice. Therefore, with the implementation of a final revenue increase of \$44,862,000 for the 2005 test year rate case, the 2007 test year interim award would need to be increased from \$69,997,000 to \$77,783,000 (Exhibit 3 of this document, page 1) so that the disallowance of pension asset from rate base will only be reflected once. As explained in the section below, adding the impact of interest synchronization would increase 2007 test year interim award to \$77,867,000 (Exhibit 1, page 1 of this document).

C. INCORPORATING INTEREST SYNCHRONIZATION WOULD ADD \$84,000 TO THE 2007 TEST YEAR REVENUE REQUIREMENT

In the HECO 2007 test year rate case, the DOD proposed an adjustment for interest synchronization to determine the interest deduction for the calculation of test year income tax

expense. HECO did not agree with this proposal and did not use interest synchronization to develop its revenue requirements for the test year. The parties took the same positions in Docket No. 04-0113 (HECO 2005 test year rate case). For purposes of settlement in the HECO 2007 test year rate case, the parties agreed to not relitigate the issue in this docket, that HECO's method of computing interest expense for the purposes of determining income taxes for the 2007 test year will be used in calculating the interim rate increase (as it was in Interim Decision and Order No. 22050 in Docket No. 04-0113), and that the interest synchronization methodology issue will be determined by the final non-appealable decision in Docket No. 04-0113. As a result, the Parties agreed to waive evidentiary hearings and proposed findings of fact and conclusions of law with respect to this issue.

On March 4, 2008, the Commission issued Order No. 24068 which adopted the interest synchronization method as the mechanism for computing interest expense in the HECO 2005 test year rate case and directed the parties to file stipulated revised results of operation schedules consistent with this order and Amended Proposed Decision and Order No. 23768. On March 28, 2008, the parties filed their stipulated revised results of operations which incorporated the impact of interest synchronization on the 2005 test year revenue requirement.

On May 1, 2008, the Commission issued its Final D&O in HECO's 2005 test year rate case. The Final D&O stated: "Based on a full review of the entire record, as decided in Order No. 24068, the commission determines that the interest synchronization method for calculating interest expense should be adopted in this case..." (at 22). The Final D&O further stated that Exhibits A and B of the Final D&O (which provide the approved 2005 test year revenue requirements) incorporate the stipulated revised results of operations filed by the parties on March 28, 2008 (at 7).

As a result of the Commission's decisions on interest synchronization in Order No. 24068 and the Final D&O, the parties have agreed that HECO should use the interest synchronization method to compute interest expense for the purpose of calculating income tax expense for the 2007 test year interim increase adjustment. Given the likelihood that the Commission would consistently adopt interest synchronization in the HECO 2007 test year rate case, incorporating interest synchronization in the 2007 test year interim adjustment would eliminate the need to make the same adjustment after the issuance of the final decision and order for the 2007 test year rate case. As shown on page 1 of Exhibit 1 of this document, incorporating interest synchronization adds \$84,000 to the 2007 test year revenue requirement so that the adjusted interim increase should be \$77,867,000 and the 2007 test year revenue requirement should be \$1,480,538,000.

D. THE ADJUSTED INTERIM INCREASE REFLECTS DSM EXPENSES AS THE PARTIES AGREED IN THE STIPULATED SETTLEMENT LETTER

The treatment of DSM expenses in the Stipulated Settlement in the 2007 test year rate case is slightly different than the treatment of DSM expenses in the Final D&O in the 2005 rate case, due to the timing of the Final D&O.¹⁵

At the time the Company filed its application and direct testimonies for the 2007 test year rate case on December 22, 2006, the Energy Efficiency Proceeding (Docket No. 05-0069) was in progress. The Company's direct testimony (HECO T-9) stated that for the purposes of the 2007 test year rate case, HECO was using the method of cost recovery that was currently in place, namely, that DSM program costs currently being recovered in base rates would continue to be recovered in base rates, and incremental DSM program costs currently being recovered through the DSM Surcharge would continue to be recovered through that surcharge. The method of

¹⁵ In addition, HECO is not in a position to unilaterally change the amount of the stipulated interim revenue requirement.

recovery was based on prior Commission orders in other DSM and rate case dockets. (Docket No. 04-0113, HECO T-9, page 4.)

The parties executed the Stipulated Settlement Letter for the 2007 test year rate case on September 5, 2007. The residential and commercial and industrial direct load control program and associated expenses (\$1,830,000)¹⁶ remained in base rates as Decision and Order No. 23258 in the Energy Efficiency Proceeding ruled that the HECO Companies' load management programs would be excluded from the third-party administrator's area of responsibility (at 144). However, the parties agreed to remove the following DSM program labor expenses and associated corporate administration and employee benefit costs and payroll taxes (\$543,000) from base rates for the following positions:¹⁷

- Commercial and Industrial ("C&I") DSM Program Manager
- Residential DSM Program Manager
- three Customer Efficiency Program Analysts
- C&I Engineer

In addition to the residential and commercial and industrial direct load control program costs, DSM program labor and associated corporate administration and employee benefit costs and payroll taxes (approximately \$131,000) for employees that spent a small portion of their time on DSM programs (less than 50%) remained in base rates. (HECO 2007 Test Year Rate Case – Stipulated Settlement Letter, HECO T-9, Attachment 8; Exhibit 4 of this document).

On May 1, 2008, the Commission issued the Final D&O for the 2005 test year rate case.

With respect to DSM expenses, the Final D&O stated:

¹⁶ See Docket No. 2006-0386, HECO-914, page 1; response to CA-IR-122, page 6.

¹⁷ These programs are Commercial and Industrial Energy Efficiency ("CIEE"), Commercial and Industrial New Construction ("CINC"), Commercial and Industrial Customized Rebate ("CICR"), Residential Efficient Water Heating ("REWH"), Residential New Construction ("RNC"), Energy Solutions for the Home ("ESH"), Residential Low Income ("RLI"), and Solar Saver Pilot Program.

“Thus, HECO shall recover the DSM incremental labor costs, the load management program costs, and the load control program advertising costs through the existing IRP surcharge mechanism...” (at 45).

As explained above, as a result of the agreements in the Stipulated Settlement Letter, a portion of load management program costs and some DSM program labor costs (which up to now have been recovered through base rates and the 2005 test year interim increase) remain in the 2007 test year revenue requirement. If the Commission wants HECO to recover these remaining DSM expenses through the DSM Surcharge instead of through base rates, the Company can accordingly remove recovery of these DSM expenses from base rates when it implements the final rates in the 2007 test year rate case and correspondingly recover these expenses in the DSM Surcharge.

E. THE FINAL RATES FOR THE 2005 TEST YEAR RATE CASE AND THE SURCHARGE FOR THE ADJUSTED INTERIM INCREASE MUST GO INTO EFFECT ON THE SAME DAY

The final rates for the 2005 test year rate case and the adjusted interim increase surcharge for the 2007 test year rate case must go into effect on the same date to ensure that the Company has the opportunity to receive on a continuous basis the level of revenues needed to recover the revenue requirement of \$1,480,454,000 that the Commission authorized on an interim basis in Interim D&O 23749 plus the additional revenue requirement of \$84,000 to incorporate the impact of interest synchronization.. If the Commission orders the adjustment to the 2007 test year interim increase to be effective after the final rates for the 2005 test year rate case go into effect, there would be a shortfall in revenues which would be harmful to the Company’s financial condition. Further, the base rates against which the current 2007 test year interim increase surcharge percentages apply will no longer exist when the final rates for the 2005 rate case go into effect. Therefore, the Company respectfully requests that the Commission order that the

final rates for the 2005 test year rate case and the adjusted interim increase for the 2007 test year rate case go into effect on the same date.

III. CONCLUSION

For the reasons stated above, HECO respectfully requests the Commission to approve an adjustment to the interim increase for the 2007 test year rate case from \$69,997,000 over revenues at “current effectiveness rates” to \$77,867,000 over revenues at the final rates implemented in Docket No. 04-0113, to be effective on the same date as the final rates resulting from the Final D&O in the 2005 test year rate case proceeding.

DATED: Honolulu, Hawaii, May 21, 2008.



THOMAS W. WILLIAMS, JR.
PETER Y. KIKUTA
DAMON L. SCHMIDT

Attorneys for
HAWAIIAN ELECTRIC COMPANY, INC.

Hawaiian Electric Company, Inc.
Adjusted Interim at Curr Eff Rates w/Interest Sync
Results of Operations

	Current Effective Rates	Additional Amount	Revenue Requirements to Produce 8.62% Return on Average Rate Base
Electric Sales Revenue	1,398,765	77,149	1,475,914
Other Operating Revenue	3,406	718	4,124
Gain on Sale of Land	500		500
TOTAL OPERATING REVENUES	1,402,671	77,867	1,480,538
Fuel	543,874		543,874
Purchased Power	387,492		387,492
Production	67,597		67,597
Transmission	10,272		10,272
Distribution	24,663		24,663
Customer Accounts	11,720		11,720
Allowance for Uncoll. Accounts	970	0	970
Customer Service	5,890		5,890
Administration & General	69,189		69,189
Gen Excise Tax Rate Incr Adj	328		328
Operation and Maintenance	1,121,995	0	1,121,995
Depreciation & Amortization	78,763		78,763
Amortization of State ITC	(1,304)		(1,304)
Taxes Other Than Income	130,706	6,900	137,606
Interest on Customer Deposits	377		377
Income Taxes	15,641	27,613	43,254
TOTAL OPERATING EXPENSES	1,346,178	34,513	1,380,691
OPERATING INCOME	56,493	43,354	99,847
AVERAGE RATE BASE	1,159,090	(775)	1,158,315
RATE OF RETURN ON AVERAGE RATE BASE	4.87%		8.62%

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync

COMPOSITE EMBEDDED COST OF CAPITAL

Estimated Average

	A	B	C	D
	Capitalization			
	Amount in Thousands	Percent of Total	Earnings Reqmts	Weighted Earnings Reqmts (B) x (C)
Short-Term Debt	38,971	3.08	5.00%	0.154%
Long-Term Debt	480,727	38.01	6.09%	2.314%
Hybrid Securities	27,556	2.18	7.47%	0.163%
Preferred Stock	20,586	1.63	5.51%	0.090%
Common Equity	696,826	55.10	10.70%	5.896%
Total	1,264,666	100.00		
Estimated Composite Cost of Capital				8.617%
			or	<u>8.62%</u>

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
AVERAGE RATE BASE
(\$ Thousands)

	Beginning Balance	End of Year Balance	Average Balance
Investments in Assets Serving Customers			
Net Cost of Plant in Service	1,331,363	1,370,649	1,351,006
Property Held for Future Use	517	3,567	2,042
Fuel Inventory	53,084	53,084	53,084
Materials & Supplies Inventories	12,838	12,838	12,838
Unamort. Net SFAS 109 Reg. Asset	53,483	55,970	54,727
Pension Asset	0	0	0
OPEB Amount	0	0	0
Unamort Sys Dev Costs	0	4,642	2,321
Unamort DSG Reg Asset	0	0	0
ARO Reg Asset	27	26	27
Total Investments in Assets	1,451,312	1,500,776	1,476,045
Funds From Non-Investors			
Unamortized CIAC	164,092	176,802	170,447
Customer Advances	1,001	756	879
Customer Deposits	6,369	6,827	6,598
Accumulated Def. Income Taxes	135,254	130,294	132,774
Unamort State ITC (Gross)	28,523	30,044	29,284
Unamortized Gain on Sale	1,582	1,214	1,398
Total Deductions	336,821	345,937	341,380
Difference			1,134,665
Working Cash at Current Effective Rates			24,425
Rate Base at Current Effective Rates			1,159,090
Change in Rate Base - Working Cash			(775)
Rate Base at Proposed Rates			1,158,315

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
WORKING CASH ITEMS

(\$ Thousands)

	A	B	C	D
	COLLECTION	PAYMENT	NET	
	LAG	LAG	COLLECTION	ANNUAL
	(DAYS)	(DAYS)	LAG	AMOUNT
			(DAYS)	
			(A - B)	
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	37	17	20	537,767
O&M Labor	37	11	26	88,209
O&M Nonlabor	37	34	3	100,922
Pension Asset Amortization	37	0	37	-
ITEMS THAT PROVIDE WORKING CASH				
Revenue Taxes	37	66	(29)	124,412
Income Taxes-Present Rates	37	40	(3)	17,776
Income Taxes-Proposed Rates	37	40	(3)	45,389
Purchased Power	37	39	(2)	387,492
	E	F	G	H
	AVERAGE	WORKING	AVERAGE	WORKING
	DAILY	CASH	DAILY	CASH
	AMOUNT	(PRESENT	AMOUNT	(PROPOSED
	(D/365)	RATES)	(PROPOSED)	RATES)
		(C X E)		(C X G)
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	1,473	29,467	1,473	29,467
O&M Labor	242	6,283	242	6,283
O&M Nonlabor	276	829	276	829
Pension Asset Amortization	0	0	0	0
ITEMS THAT PROVIDE WORKING CASH				
Purchased Power	1,062	(2,123)	1,062	(2,123)
Revenue Taxes	341	(9,885)	360	(10,433)
Income Taxes-Present Rates	49	(146)		
Income Taxes-Proposed Rates	124	-	124	(373)
Total		24,425		23,650
Change in Working Cash				(775)

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
COMPUTATION OF INCOME TAX EXPENSE

(\$ Thousands)

	Current Effective Rates	Adjustment	At Proposed Rates
Operating Revenues	1,402,671	77,867	1,480,538
Operating Expenses:			
Fuel Oil and Purchased Power	931,366		931,366
Other Operation & Maintenance Expense	190,629	0	190,629
Depreciation	78,763		78,763
Amortization of State ITC	(1,304)		(1,304)
Taxes Other than Income	130,706	6,900	137,606
Interest on Customer Deposits	377		377
Total Operating Expenses	1,330,537	6,900	1,337,437
Operating Income Before Income Taxes	72,134	70,967	143,101
Tax Adjustments:			
Interest Expense	(30,475)		(30,475)
Meals and Entertainment	81		81
	(30,394)	0	(30,394)
Taxable Income at Ordinary Rates	41,740	70,967	112,707
Income Tax Exp at Ordinary Rates	16,241	27,613	43,854
Tax Benefit of Domestic Production Activities Deduction	577		577
Tax Effect of Deductible Preferred Stock Dividends	23		23
TOTAL INCOME TAX EXPENSE	15,641	27,613	43,254

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
COMPUTATION OF TAXES OTHER THAN INCOME TAX

(\$ Thousands)

	Rate	At Curr Eff Rates	Adjustment	At Proposed Rates
Electric Sales Revenue		1,398,765	77,149	1,475,914
Other Operating Revenue		3,406	718	4,124
Operating Revenues		1,402,171	77,867	1,480,038
Public Service Tax	5.885%	82,461	4,582	87,043
PUC Fees	0.500%	7,006	389	7,395
Franchise Tax	2.500%	34,945	1,929	36,874
Payroll Tax		6,294		6,294
TOTAL TAXES OTHER THAN INCOME TAX		130,706	6,900	137,606

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
CALCULATIONS OF REVENUE REQUIREMENTS

(\$ Thousands)

OPERATING INCOME AT CURRENT EFFECTIVE RATES:

Operating Revenues	1,402,671
Fuel and Purchased Power Expenses	931,366
Other O&M Expenses	190,629
Depreciation & Amortization Expense	78,763
Amortization of State ITC	(1,304)
Taxes Other than Income	130,706
Interest on Customer Deposits	377
Income Taxes	15,641
Total Operating Expenses	1,346,178

OPERATING INCOME AT CURRENT EFFECTIVE RATES	56,493
---	--------

CALCULATIONS OF REVENUE REQUIREMENTS:

OPERATING INCOME

Rate Base at Proposed Rates	1,158,315
Proposed Rate of Return on Rate Base	x 8.62%
Operating Income	99,847

Less: Operating Income at Current Effective Rate	56,493
--	--------

INCREASE IN OPERATING INCOME	43,354
------------------------------	--------

OPERATING REVENUES:

Increase in Operating Income	43,354
Operating Income Divisor (divided by)	0.55677

INCREASE IN OPERATING REVENUES	77,867
--------------------------------	--------

Increase in Electric Sales Revenue	77,149
Other Operating Revenue Rate	x 0.931%
Increase in Other Operating Revenues	718
	77,867

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
CALCULATIONS OF REVENUE REQUIREMENTS

(\$ Thousands)

BAD DEBT:

Increase in Electric Revenues		77,149
Bad Debt Rate	x	0.0000
		<hr/>
INCREASE IN BAD DEBT EXPENSE		0

REVENUE TAX:

Increase in Operating Revenues		77,867
Less: Increase in Bad Debt Expense		0
		<hr/>
		77,867
PSC Tax & PUC Fees Rate	x	6.385%
		<hr/>
		4,971
Increase in Electric Revenues		77,149
Less: Increase in Bad Debt Expense		0
		<hr/>
		77,149
Franchise Tax Rate	x	2.500%
		<hr/>
		1,929
INCREASE IN REVENUE TAX		<hr/>
		6,900

INCOME TAX:

Increase in Operating Revenues		77,867
Effective Income Tax Rate after considering revenue tax & bad debt	x	35.462%
		<hr/>
INCREASE IN INCOME TAX		27,613
		<hr/>
INCREASE IN OPERATING INCOME (check)		43,354

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
CALCULATIONS OF REVENUE REQUIREMENTS

(\$ Thousands)

CHANGE IN RATE BASE:

	A	B	C	D
	EXPENSE	AVERAGE	NET	WORKING
	AMOUNT	DAILY	COLLECTION	CASH
		AMOUNT	LAG (DAYS)	REQMT
		(A/365)		(B) x (C)
Increase in Revenue Tax	6,900	19	(29)	(548)
Income Tax at present rates	17,776	49	(3)	146
Income Tax at proposed rate	45,389	124	(3)	(373)
CHANGE IN RATE BASE - WORKING CASH				(775)
Rate Base at Present Rates				1,159,090
PROPOSED RATE BASE				1,158,315
Operating Income at Present Rates				56,493
Increase in Operating Income				43,354
OPERATING INCOME AT PROPOSED RATES				99,847
PROPOSED RATE OF RETURN ON RATE BASE (check)				8.62%

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
SUPPORT WORKSHEET

OPERATING REVENUES:

Electric Sales Revenues	1,398,765
Other Operating Revenues	3,406
Gain on Sale of Land	500

TOTAL OPERATING REVENUES	<u>1,402,671</u>
--------------------------	------------------

FUEL OIL AND PURCHASE POWER EXPENSES:

Fuel Oil Expense	537,767
Fuel Related Non-labor Exp	5,207
Fuel Handling Labor Expense	900

Fuel Oil Expense	<u>543,874</u>
------------------	----------------

Purchased Power Expense	<u>387,492</u>
-------------------------	----------------

TOTAL FUEL OIL AND PURCHASE POWER EXPENSES	<u>931,366</u>
--	----------------

OTHER OPERATION & MAINTENANCE EXPENSES:

Production	67,597
Transmission	10,272
Distribution	24,663
Customer Account	11,720
Allowance for Uncollectible Accounts	970
Customer Service	5,890
Administration & General	69,189
Gen Excise Tax Rate Incr Adj	328

TOTAL OTHER OPERATION & MAINTENANCE EXPENSES	<u>190,629</u>
--	----------------

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
SUPPORT WORKSHEET

TOTAL FUEL OIL & PP AND OTH O&M EXPENSES (LABOR/NONLABOR)	
Fuel Oil Expense	537,767
Purchase Power Expense	387,492
Total Labor Expense	
Labor Expense	88,209
Total Labor Expense	88,209
Total Nonlabor Expense	
Nonlabor Expense	103,320
Fuel Related Expense	5,207
Payroll Taxes	6,294
Bad Debt Expense	(970)
Pension Expense	(12,929)
Pension Asset Amortization	0
	100,922
TOTAL FUEL OIL & PP, OTH O&M AND PR TAX EXPENSES	1,114,390
REVENUE TAX	
Public Service Tax	
Electric Sales Revenues	1,398,765
Other Operating Revenues	3,406
Less: Bad Debt Expense	(970)
Operating Revenues subject to PSC Tax	1,401,201
Public Service Tax Rate	x 5.885%
Total PSC Tax	82,461
PUC Fees	
Electric Sales Revenues	1,398,765
Other Operating Revenues	3,406
Less: Bad Debt Expense	(970)
Operating Revenues subject to PSC Tax	1,401,201
PUC Tax Rate	x 0.500%
Total PUC Tax	7,006

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
SUPPORT WORKSHEET

Franchise Tax		
Electric Sales Revenues		1,398,765
Less: Bad Debt Expense		(970)
		<u>1,397,795</u>
Franchise Tax Rate	x	<u>2.500%</u>
Total Franchise Tax		<u>34,945</u>
TOTAL REVENUE TAX		<u>124,412</u>
INTEREST EXPENSE:		
Weighted Cost of Debt		
Short-Term Debt		0.154%
Long-Term Debt		2.314%
Hybrid Securities		<u>0.163%</u>
Total		<u>2.631%</u>
Rate Base at Proposed Rates	x	<u>1,158,315</u>
TOTAL INTEREST EXPENSE		<u>30,475</u>
INCOME TAX EXPENSE SUMMARY		
Current		17,776
Deferred		(4,960)
State ITC		2,825
Pension Asset Amortization		<u>0</u>
TOTAL INCOME TAX EXPENSE		<u>15,641</u>
CALCULATIONS OF REVENUE TAX RATE:		
Franchise Tax Rate adjusted for Change in Oth Oper		
Revenues and Bad Debt		0.02477
PSC Tax Rate adjusted for Bad Debt		0.05885
PUC Tax Rate adjusted for Bad Debt		<u>0.00500</u>
REVENUE TAX RATE		<u>0.08862</u>
CALCULATIONS OF COMPOSITE INCOME TAX RATE:		
State Tax Rate		0.06015
Federal Tax Rate		0.35000
State Tax Rate		0.06015
Federal Tax Rate	x	<u>0.35000</u>
Federal Tax Effect on State Tax		<u>(0.02105)</u>
COMPOSITE INCOME TAX RATE		<u>0.38910</u>

Hawaiian Electric Company, Inc.

Adjusted Interim at Curr Eff Rates w/Interest Sync
SUPPORT WORKSHEET

CALCULATIONS OF COMPOSITE CAPITAL GAINS TAX RATE:

State Capital Gains Tax Rate	0.03759
Federal Tax Rate	0.35000

State Capital Gains Tax Rate	0.03759
Federal Tax Rate	x 0.35000

Federal Tax Effect on State Capital Gains Tax Rate	(0.01316)
--	-----------

COMPOSITE CAPITAL GAINS TAX RATE	0.37444
----------------------------------	---------

CALCULATIONS OF EFFECTIVE INCOME TAX RATE:

PSC Tax & PUC Fees Rates adjusted for Bad Debt	0.06385
Franchise Tax adjusted for Change in Oth Oper Rev and Bad Debt	0.02477

Bad Debt Rate adjusted for Change in Oth Oper Rev	-
Revenue Tax and Bad Debt rate	0.08862

Rev Tax & Bad Debt Reciprocal (1 - 0.08862)	0.91138
Composite Income Tax Rate	x 0.38910

EFFECTIVE INCOME TAX RATE AFTER CONSIDERING REVENUE TAX & BAD DEBT	0.35462
---	---------

CALCULATIONS OF OPERATING INCOME DIVISOR:

PSC Tax & PUC Fees Rates	0.06385
Franchise Tax adjusted for Change in Oth Oper Rev	0.02477
Bad Debt Rate adjusted for Change in Oth Oper Rev	-
Effective Income Tax Rate after considering revenue tax & bad debt	0.35462

0.44323

OPERATING INCOME DIVISOR (1 - 0.44323)	0.55677
--	---------

Hawaiian Electric Company, Inc.
Docket No. 2006-0386
Test Year 2007

<u>Estimation of Test Year Revenue - Based on TY2005 Final Rates</u>							<u>Reference</u>
<u>Line</u>	<u>Rate Schedule</u>	<u>Forecast MWh</u>	<u>Present Rates (\$000S)</u>				
			<u>Base</u>	<u>AES</u>	<u>FOA</u>	<u>Total</u>	
		<u>[1]</u>	<u>[2]</u>	<u>[3]</u>	<u>[4]</u>	<u>[5]</u>	
1	R	2,128,900	\$389,948.5	\$0.0	\$42,280.0	\$432,228.5	R Exhibit 1A, p.1
2	G	371,800	\$73,421.5	\$0.0	\$7,383.9	\$80,805.4	G Exhibit 1A, p.12
3	J	2,068,800	\$330,947.4	\$0.0	\$41,086.4	\$372,033.8	J Exhibit 1A, p.20
4	H	40,500	\$6,549.5	\$0.0	\$804.3	\$7,353.8	H Exhibit 1A, p.108
5	PS	835,857	\$124,380.0	\$0.0	\$16,600.1	\$140,980.1	PS Exhibit 1A, p.113
6	PP	2,061,983	\$291,309.4	\$0.0	\$40,951.0	\$332,260.4	PP Exhibit 1A, p.127
7	PT	175,161	\$22,524.0	\$0.0	\$3,478.7	\$26,002.7	PT Exhibit 1A, p.146
8	F	37,800	\$6,350.0	\$0.0	\$750.7	\$7,100.7	F Exhibit 1A, p.154
9	Total	7,720,801	\$1,245,430.3	\$0.0	\$153,335.1	\$1,398,765.4	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
NON-FUEL ENERGY CHARGE	2,128,900	8.2993	\$176,683.8
BASE FUEL ENERGY CHARGE	2,128,900	8.8903	\$189,265.6
SUBTOTAL			\$365,949.4
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/MONTH</u>	
1 PHASE CHARGE	3,134,056	8.00	\$25,072.4
3 PHASE CHARGE	1,568	17.00	\$26.7
SUBTOTAL	3,135,624		\$25,099.1
<u>ADJUSTMENTS:</u>			
SCHEDULE E ADJ.			(\$1,122.0)
MINIMUM BILL ADJ. - 1 PHASE			\$82.3
MINIMUM BILL ADJ. - 3 PHASE			\$0.2
RESIDENTIAL TOU			\$0.0
APARTMENT HOUSE:			(\$60.5)
SUBTOTAL			(\$1,100.0)
TOTAL BASE REVENUE			\$389,948.5
<u>BILL ADJUSTMENTS:</u>			
FUEL OIL ADJUSTMENT:	¢/KWH	1.986	\$42,280.0
RATE ADJUSTMENT (AES REFUND):	(%)	0.000%	\$0.0
TOTAL REVENUES			\$432,228.5

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS
BY CUSTOMER GROUP

<u>RECORDED:</u>	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>
RESIDENTIAL-R 1 Phase	3,075,050	99.15	2,103,662	98.82
RESIDENTIAL-R 3 Phase	1,524	0.05	3,909	0.18
EMPLOYEES-E 1 Phase	24,961	0.80	21,219	1.00
EMPLOYEES-E 3 Phase	<u>0</u>	<u>0.00</u>	<u>0</u>	<u>0.00</u>
TOTAL R AND E	3,101,535	100.00	2,128,789	100.00
APT. HOUSE DISCOUNT	13,519	0.44	5,430	0.26

<u>FORECASTS:</u>	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
RESIDENTIAL-R 1 Phase	99.15	3,108,971	98.82	2,103,779
RESIDENTIAL-R 3 Phase	0.05	1,568	0.18	3,832
EMPLOYEES-E 1 Phase	0.80	25,085	1.00	21,289
EMPLOYEES-E 3 Phase	<u>0.00</u>	<u>0</u>	<u>0.00</u>	<u>0</u>
TOTAL R AND E	100.00	3,135,624	100.00	2,128,900
APT. HOUSE DISCOUNT	0.44	13,797	0.26	5,535

HAWAII ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DISTRIBUTION OF SALES AND BILLS

RECORDED:	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES	PERCENT OF TOTAL
<u>Usage Per Month:</u>				
0 - 350 kWh	822,706	26.5258	181,342.7	8.5186
351 - 1200 kWh	1,893,629	61.0546	1,284,705.0	60.3491
Over 1200 kWh	385,200	12.4196	662,741.3	31.1323
TOTAL R AND E	3,101,535	100.0000	2,128,789.0	100.0000

FORECAST:	PERCENT OF TOTAL	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES
<u>Usage Per Month:</u>				
0 - 350 kWh	26.5258	831,749	8.5186	181,352
351 - 1200 kWh	61.0546	1,914,443	60.3491	1,284,772
Over 1200 kWh	12.4196	389,432	31.1323	662,776
TOTAL R AND E	100.0000	3,135,624	100.0000	2,128,900

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

<u>1 PHASE</u>	<u>PRESENT RATES</u>
MINIMUM CHRG.,\$/MO.	16.00
BASE RATE,\$/kWh	0.171896
F.O.A.,\$/kWh	0.019860
CUSTOMER CHRG, \$/MO	8.00
MINIMUM kWh/MONTH	41.72

<u>3 PHASE</u>	
MINIMUM CHRG.,\$/MO.	22.00
BASE RATE,\$/kWh	0.171896
F.O.A.,\$/kWh	0.019860
CUSTOMER CHRG, \$/MO	17.00
MINIMUM kWh/MONTH	26.07

<u>1 PHASE</u>	<u>PRESENT RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>		
TOTAL R,E 1 Phase	2,124,880	2,125,068
<= MIN.KWH/Mo. 41	408	404
% OF TOTAL	0.019	

<u>NUMBER OF BILLS</u>		
TOTAL R,E 1 Phase	3,100,011	3,134,056
<= MIN.KWH/Mo. 41	19,762	19,964
% OF TOTAL	0.637	

<u>3 PHASE</u>	<u>PRESENT RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>		
TOTAL R,E 3 Phase	3,909	3,832
<= MIN.KWH/Mo. 26	0	0
% OF TOTAL	0.008	

<u>NUMBER OF BILLS</u>		
TOTAL R,E 3 Phase	1,524	1,568
<= MIN.KWH/Mo. 26	30	31
% OF TOTAL	1.969	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

AT PRESENT RATES

<u>1 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>
<u>IF NO PROVISION FOR MINIMUM CHRG.:</u>	<u>MWH</u>	<u>c/KWh</u>	
BASE ENERGY CHARGE	404	17.1896	\$69.4
FUEL OIL ADJUSTMENT:	404	1.986	\$8.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE	19,964	8.00	<u>\$159.7</u>
TOTAL, No Min Chrg Provision			\$237.1
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE:	19,964	16.00	<u>\$319.4</u>
1 PHASE - MINIMUM BILL ADJ.			\$82.3

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

AT PRESENT RATES

<u>3 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>MWH</u>	<u>¢/KWh</u>	
BASE ENERGY CHARGE	-	17.1896	\$0.0
FUEL OIL ADJUSTMENT:	-	1.986	\$0.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE	31	17.00	<u>\$0.5</u>
TOTAL, No Min Chrg Provision			\$0.5
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE:	31	22.00	<u>\$0.7</u>
3 PHASE - MINIMUM BILL ADJ.			\$0.2

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DISTRIBUTION OF SALES AND BILLS
FOR EMPLOYEE DISCOUNT ADJUSTMENT

RECORDED:	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES	PERCENT OF TOTAL
<u>Usage Per Month:</u>				
0 - 350 kWh	2,456	9.8393	619.2	2.9182
351 - 825 kWh	11,664	46.7289	6,876.1	32.4055
826 - 1200 kWh	6,206	24.8628	6,167.8	29.0675
Over 1200 kWh	4,635	18.5690	7,555.8	35.6088
TOTAL E	24,961	100.0000	21,218.9	100.0000

FORECAST:	PERCENT OF TOTAL	NUMBER OF BILLS	PERCENT OF TOTAL	MWH SALES
<u>Usage Per Month:</u>				
0 - 350 kWh	9.8393	2,468	2.9182	621
351 - 825 kWh	46.7289	11,722	32.4055	6,899
826 - 1200 kWh	24.8628	6,237	29.0675	6,188
Over 1200 kWh	18.5690	4,658	35.6088	7,581
TOTAL E	100.0000	25,085	100.0000	21,289.0

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE R - RESIDENTIAL SERVICE
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENT
FOR EMPLOYEE DISCOUNT ADJUSTMENT

		PRESENT RATES	
EMPLOYEE DISCOUNT UP TO 825 KWH	UNITS BILLED (MWH)	UNIT PRICE ¢/KWH	REVENUES \$1000s
<u>ENERGY CHARGE</u>			
0 - 350 kWh	621		
<u>350 - 825 KWH</u>			
First 350 kWh	4,102.7		
Remaining kWh	2,796.3		
350 - 825 KWH Total	6,899.0		
Total	7,520.0	17.1896	1,292.7
FOA	7,520.0	1.9860	149.3
SUBTOTAL			1,442.0
	<u>BILLS</u>		
CUSTOMER CHARGE	14,190	\$8.00	113.5
TOTAL			1,555.5
-1/3% EMP. ADJ.			(518.4)
<u>EMPLOYEE DISCOUNT</u>			
LIMITED to 825 KWH	UNITS BILLED (MWH)	UNIT PRICE ¢/KWH	REVENUES \$1000s
<u>ENERGY CHARGE</u>			
825 - 1200 KWH			
First 350 kWh	2,183.0		
kWh above 350	2,963.0		
825 - 1200 KWH Total	5,146.0		
Over 1200 kWh			
First 350 kWh	1630.3		
kWh above 350	2212.7		
Over 1200 kWh Total	3,843.0		
Total	8,989	17.1896	1,545.2
FOA	8,989	1.9860	178.5
SUBTOTAL			1,723.7
	<u>BILLS</u>		
CUSTOMER CHARGE	10,895	\$8.00	87.2
TOTAL			1,810.9
-1/3% EMP. ADJ.			(603.6)
TOTAL EMPLOYEE ADJ:			(1,122.0)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR APARTMENT HOUSE COLLECTION PROVISION

	PRESENT RATES
MAX Bill 100% Disc.,\$/MO.	50.00
BASE ENERGY ,\$/KWH	0.171896
F.O.A., \$/KWH	0.01986
RATE ADJUSTMENT, %	0.00000
INTERIM RATE ADJUSTMENT, %	0.00000
CUST. CHG., \$/BILL	8.00
KWH BLOCK @ MAX.DISC.	219.03

	PRESENT RATES	
	RECORDED (MWH)	FORECAST (MWH)
<u>SALES:</u>		
0-219 KWH	606	618
>219 KWH	<u>4,824</u>	<u>4,917</u>
TOTAL	5,430	5,535
<u>NUMBER OF BILLS:</u>		
	RECORDED BILLS	FORECAST BILLS
0-219 KWH	4,743	4,841
>219 KWH	<u>8,776</u>	<u>8,956</u>
TOTAL	13,519	13,797

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR APARTMENT HOUSE COLLECTION PROVISION

	<u>PRESENT RATES</u>		
	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
Apt. Bills subject to 100% of Apt. House Discount	<u>MWH</u>	<u>¢/kWh</u>	
ENERGY CHARGE	618	17.1896	\$106.2
	<u>Bills</u>	<u>\$/month</u>	
CUSTOMER CHARGE	4,841	8.00	<u>\$38.7</u>
TOTAL BASE CHARGES			<u>\$144.9</u>
FUEL OIL ADJUSTMENT:	1.986	¢/KWH	\$12.3
RATE ADJUSTMENT (AES REFUND)	0.000	(%)	<u>\$0.0</u>
TOTAL ADJUSTMENTS			<u>\$12.3</u>
TOTAL OF BILLS subject to 10% discount			\$157.2
10% APT DISC.			(\$15.7)
	<u>Bills</u>	<u>\$/month</u>	
Apt. House Bills subject to Maximum Discount	8,956	5.00	<u>(\$44.8)</u>
APT. HOUSE REVENUE ADJ.			(\$60.5)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
NON-FUEL ENERGY CHARGE	2,128,900	8.2993	\$176,683.8
BASE FUEL ENERGY CHARGE	2,128,900	8.8903	<u>\$189,265.6</u>
SUBTOTAL			\$365,949.4
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/MONTH</u>	
1 PHASE CHARGE	3,134,056	8.00	\$25,072.4
3 PHASE CHARGE	<u>1,568</u>	17.00	<u>\$26.7</u>
SUBTOTAL	3,135,624		\$25,099.1
<u>ADJUSTMENTS:</u>			
FUEL OIL ADJUSTMENT:	¢/KWH	1.986	\$42,280.0
RATE ADJUSTMENT (AES REFUND):	(%)	0.000%	\$0.0
MISCELLANEOUS **:			<u>(\$1,100.0)</u>
SUBTOTAL			\$41,180.0
TOTAL REVENUES			\$432,228.5

** INCLUDES Schedule E Adj., Minimum Bill Adj., Apartment House Discount, and Residential TOU Adjustment.

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>			
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>	
1 PHASE - Regular	192,429	30.00	\$5,772.9
3 PHASE - Regular	<u>119,955</u>	55.00	<u>\$6,597.5</u>
SUBTOTAL	312,384		\$12,370.4
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
G: Regular NON-DEMAND	<u>371,800</u>	16.4205	<u>\$61,051.4</u>
Total	371,800		\$61,051.4
<u>BASE REVENUE ADJUSTMENTS:</u>			
DP VOLTAGE ADJUSTMENT			(\$0.3)
DS VOLTAGE ADJUSTMENT			\$0.0
MINIMUM BILL ADJUSTMENT			\$0.0
SCHEDULE E ADJUSTMENT			\$0.0
TOU-C ADJUSTMENT			
SUBTOTAL			<u>(\$0.3)</u>
TOTAL BASE REVENUE			<u>\$73,421.5</u>
<u>Other Adjustments:</u>	<u>Rate</u>		
FUEL OIL ADJUSTMENT:	1.986 ¢/KWH		\$7,383.9
RATE ADJUSTMENT (AES REFUND):	0.000 (%)		\$0.0
TOTAL REVENUES			<u>\$80,805.4</u>

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS

	<u>RECORDED</u>	<u>FORECASTED</u>
<u>TOTAL G:</u>		
SALES, MWH	367,340.7	371,800
NO. OF BILLS	295,128	312,384

DISTRIBUTION OF SALES AND BILLS BY PHASE

	<u>MWH SALES</u>		<u>NO. OF BILLS</u>	
<u>RECORDED:</u>	<u>SALES (MWH)</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>
1 PHASE	161,553.7	44.0	181,778	61.6
3 PHASE	<u>205,787.0</u>	<u>56.0</u>	<u>113,350</u>	<u>38.4</u>
TOTAL	367,340.7	100.0	295,128	100.0
<u>FORECAST:</u>	<u>PERCENT OF TOTAL</u>	<u>SALES (MWH)</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>
1 PHASE	44.0	163,592	61.6	192,429
3 PHASE	<u>56.0</u>	<u>208,208</u>	<u>38.4</u>	<u>119,955</u>
TOTAL	100.0	371,800	100.0	312,384

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR DISTRIBUTION PRIMARY (DP) SERVICE

AT PRESENT RATES

RECORDED FORECAST

SALES, MWH

TOTAL G:	367,341	371,800
PRIMARY SVC.	78.939	78
% OF TOTAL	0.021%	

PRESENT RATES

BILLING UNITS <u>MWH</u>	UNIT PRICE <u>CENTS/KWH</u>	REVENUES <u>\$1000S</u>
--------------------------------	--------------------------------	----------------------------

ENERGY CHARGE:	78	16.4205	\$12.8
----------------	----	---------	--------

% ADJ.

DP ADJUSTMENT:	-2.1	(\$0.3)
----------------	------	---------

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR DISTRIBUTION SECONDARY (DS) SERVICE

AT PRESENT RATES

RECORDED FORECAST

SALES, MWH

TOTAL G:	367,341	371,800
PRIMARY SVC.	13.729	15
% OF TOTAL	0.004%	

PRESENT RATES

BILLING UNITS MWH	UNIT PRICE CENTS/KWH	REVENUES \$1000S
-------------------------	-------------------------	---------------------

ENERGY CHARGE:	15	16.4205	\$2.5
----------------	----	---------	-------

% ADJ.

DS ADJUSTMENT:	-0.6	\$0.0
----------------	------	-------

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR MINIMUM CHARGE PROVISION

<u>1 PHASE</u>	<u>PRESENT RATES</u>
MINIMUM CHRG., \$/MO.	30.00
BASE RATE, \$/KWH	0.164205
F.O.A., \$/KWH	0.019860
CUSTOMER CHRG., \$/MO.	30.00
MINIMUM KWH/MONTH	0.00

<u>3 PHASE</u>	<u>PRESENT RATES</u>
MINIMUM CHRG., \$/MO.	55.00
BASE RATE, \$/KWH	0.164205
F.O.A., \$/KWH	0.019860
CUSTOMER CHRG., \$/MO.	55.00
MINIMUM KWH/MONTH	0.00

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR MINIMUM CHARGE PROVISION

	<u>PRESENT RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>		
TOTAL G	367,340.7	371,800
LT/EQ TO MIN. KWH		
1 PHASE	0.0	
3 PHASE	<u>0.0</u>	
TOTAL	-	-
% OF TOTAL	0.000	0.000
<u>NUMBER OF BILLS</u>		
TOTAL G	295,128	312,384
LT/EQ TO MIN. KWH		
1 PHASE	-	-
3 PHASE	<u>-</u>	<u>-</u>
TOTAL	-	-
% OF TOTAL	0.00	0.00

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

PRESENT RATES

	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>MWH</u>	<u>\$/kWh</u>	
ENERGY CHARGE:	-	16.4205	\$0.0
FUEL OIL ADJUSTMENT	-	1.986	<u>\$0.0</u>
SUBTOTAL			\$0.0
	<u>BILLS</u>	<u>\$/MONTH</u>	
CUSTOMER CHARGE			
1 PHASE	-	30.00	\$0.0
3 PHASE	-	55.00	<u>\$0.0</u>
SUBTOTAL	-		<u>\$0.0</u>
Total Billed w/o Min Charge			<u>\$0.0</u>
	<u>BILLS</u>	<u>\$/MONTH</u>	
AS BILLED WITH MINIMUM CHARGE:			
1 PHASE	-	30.00	\$0.0
3 PHASE	-	55.00	<u>\$0.0</u>
Total Billed with Min Charge			<u>\$0.0</u>
MINIMUM BILL ADJUSTMENT			\$0.0

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>			
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>	
1 PHASE - Regular	192,429	30.00	\$5,772.9
3 PHASE - Regular	<u>119,955</u>	55.00	<u>\$6,597.5</u>
SUBTOTAL	312,384		\$12,370.4
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
G: Regular NON-DEMAND	<u>371,800</u>	16.4205	<u>\$61,051.4</u>
SUBTOTAL	371,800		\$61,051.4
<u>ADJUSTMENTS</u>		<u>Rate</u>	
FUEL OIL ADJUSTMENT:		1.986 ¢/KWH	\$7,383.9
RATE ADJUSTMENT (AES REFUND):		0.000 (%)	\$0.0
MISCELLANEOUS **			<u>(\$0.3)</u>
SUBTOTAL			\$7,383.6
TOTAL REVENUES			\$80,805.4

** INCLUDES Schedule E Adj., Service Voltage Adj., Minimum Bill Adjustments, and TOU-C Option 1 Adjustment.

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Estimate of Test Year Revenues

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	1,217,611	13.5915	\$165,491.6
201 - 400 KWH/KW	666,263	12.4436	\$82,907.1
> 400 KWH/KW	184,926	11.4145	\$21,108.4
TOTAL	2,068,800		\$269,507.1
<u>DEMAND CHARGE:</u>	<u>KW</u>	<u>\$/KW</u>	
ALL BILLING KW	6,875,614	8.50	\$58,442.7
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>	
1 PHASE	6,621	50.00	\$331.1
3 PHASE	74,319	70.00	\$5,202.3
SUBTOTAL	80,940		\$5,533.4
ADJUSTMENTS:			
POWER FACTOR ADJ.			(\$491.1)
TP VOLT. ADJ.			(\$80.6)
TS VOLT. ADJ.			(\$4.0)
DP VOLT. ADJ.			(\$647.6)
DS VOLT. ADJ.			(\$19.7)
NETWORK ADJ.			\$79.7
Schedule E Adjustment			\$0.0
Schedule J - TOU Adjustment			
SUBTOTAL			(\$1,163.3)
UNADJUSTED BASE REVENUE			\$332,319.9
RATE RIDER & OTHER REVENUE ADJ.			
RIDER M(B)			(\$201.6)
RIDER I			(\$73.2)
RIDER T			(\$462.5)
MULTIPLE RIDERS			(\$348.8)
SCHEDULE U			(\$286.4)
Total Rate Rider & Other Revenue Adjustments			(\$1,372.5)
Total Base Revenue			\$330,947.4
Fuel Oil Adjustment	¢/kWh	1.986	\$41,086.4
Rate Adjustment (AES Refund)	%	0.000%	\$0.0
TOTAL REVENUE			\$372,033.8

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Service Phase

	MWH SALES		NO. OF BILLS	
	SALES (MWH)	PERCENT OF TOTAL	NUMBER OF BILLS	PERCENT OF TOTAL
<u>RECORDED:</u>				
1 PHASE	58,636.1	2.93	6,436	8.18
3 PHASE	1,941,395.1	97.07	72,287	91.82
TOTAL	2,000,031.2	100.00	78,723	100.00
	PERCENT OF TOTAL	SALES (MWH)	PERCENT OF TOTAL	NUMBER OF BILLS
<u>FORECAST:</u>				
1 PHASE	2.93	60,616	8.18	6,621
3 PHASE	97.07	2,008,184	91.82	74,319
TOTAL	100.00	2,068,800	100.00	80,940

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Billing Loads For TP Voltage Service

	<u>AT 75% Dmd RATCHET (PRESENT RATES)</u>		<u>AT 50% Dmd RATCHET (PRESENT RATES)</u>	
	<u>Recorded</u>	<u>Forecast</u>	<u>Recorded</u>	<u>Forecast</u>
<u>Sales (MWH):</u>				
TOTAL SCHEDULE J:	2,000,031.2	2,068,800		2,068,800
TP Voltage Service	11,554.8	11,999		11,999
PERCENT OF TOTAL	0.58			
<u>Number Of Bills:</u>				
TOTAL SCHEDULE J:	78,723	80,940		80,940
TP Voltage Service	18	16		16
PERCENT OF TOTAL	0.02			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For TP Voltage Service

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	10,370.7	89.75	17	94.44
201 - 400 KWH/KW	1,184.1	10.25	1	5.56
> 400 KWH/KW	-	0.00	-	0.00
TOTAL	11,554.8	100.00	18	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	89.75	10,769	94.44	15
201 - 400 KWH/KW	10.25	1,230	5.56	1
> 400 KWH/KW	0.00	0	0.00	-
TOTAL	100.00	11,999	100.00	16

AT 50% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	10,370.7	89.75	17	94.44
201 - 400 KWH/KW	1,184.1	10.25	1	5.56
> 400 KWH/KW	-	0.00	-	0.00
TOTAL	11,554.8	100.00	18	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	89.75	10,769	94.44	15
201 - 400 KWH/KW	10.25	1,230	5.56	1
> 400 KWH/KW	0.00	0	0.00	-
TOTAL	100.00	11,999	100.00	16

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For TP Voltage Service

AT 75% DEMAND RATCHET (PRESENT RATES)	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	250,148.2	41.46	259,744	259,744
201 - 400 KWH/KW	4,995.8	237.02	5,189	5,189
> 400 KWH/KW	0.0	0.00	0	0
TOTAL	255,144.0	45.29	264,933	264,933

AT 50% DEMAND RATCHET (PRESENT RATES)	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	122,546.4	84.63	127,248	127,248
201 - 400 KWH/KW	0.0	0.00	0	0
> 400 KWH/KW	0.0	0.00	0	0
TOTAL	122,546.4	0.00	127,248	127,248

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For TP Voltage Service

AT 75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	10,769	1,038	0	11,807
201 - 400 KWH/KW	0	192	0	192
> 400 KWH/KW	0	0	0	0
TOTAL	10,769	1,230	0	11,999
<u>FORECAST AT PRESENT RATES:</u>				
SALES-MWH	10,769	1,230	0	11,999
BILLS	15	1	0	16
KW, BILLED	259,744	5,189	0	264,933

AT 50% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK</u>				
0 - 200 KWH/KW	10,769	0	0	10,769
201 - 400 KWH/KW	0	0	0	0
> 400 KWH/KW	0	1,230	0	1,230
TOTAL	10,769	1,230	0	11,999
<u>FORECAST AT PRESENT RATES:</u>				
SALES-MWH	10,769	1,230	-	11,999
BILLS	15	1	-	16
KW, BILLED	127,248	-	-	127,248

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Revenues For TP Voltage Service

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	10,769	13.5915	\$1,463.7
201 - 400 KWH/KW	-	12.4436	\$0.0
> 400 KWH/KW	1,230	11.4145	\$140.4
TOTAL	11,999		\$1,604.1
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>	
	127,248	8.50	\$1,081.6
TOTAL			\$2,685.7
		<u>% ADJ.</u>	
TP Voltage Adj		-3.0	(\$80.6)

Present Rates billing units based on average (50%) demand ratchet effects

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Billing Loads For TS Voltage Service

	<u>AT 75% Dmd RATCHET (PRESENT RATES)</u>		<u>AT 50% Dmd RATCHET (PRESENT RATES)</u>	
	<u>Recorded</u>	<u>Forecast</u>	<u>Recorded</u>	<u>Forecast</u>
<u>Sales (MWH):</u>				
TOTAL SCHEDULE J:	2,000,031.2	2,068,800		2,068,800
TS Voltage Service	764.4	828		828
PERCENT OF TOTAL	0.04			
<u>Number Of Bills:</u>				
TOTAL SCHEDULE J:	78,723	80,940		80,940
TS Voltage Service	14	16		16
PERCENT OF TOTAL	0.02			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For TS Voltage Service

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	585.4	76.58	9	64.29
201 - 400 KWH/KW	18.5	2.42	2	14.29
> 400 KWH/KW	160.5	21.00	3	21.42
TOTAL	764.4	100.00	14	100.00

RECORDED:

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	76.58	634	64.29	10
201 - 400 KWH/KW	2.42	20	14.29	2
> 400 KWH/KW	21.00	174	21.42	4
TOTAL	100.00	828	100.00	16

AT 50% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	143.3	18.75	8	57.14
201 - 400 KWH/KW	13.6	1.78	2	14.29
> 400 KWH/KW	607.5	79.47	4	28.57
TOTAL	764.4	100.00	14	100.00

RECORDED:

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	18.75	155	57.14	9
201 - 400 KWH/KW	1.78	15	14.29	2
> 400 KWH/KW	79.47	658	28.57	5
TOTAL	100.00	828	100.00	16

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For TS Voltage Service

AT 75% DEMAND RATCHET (PRESENT RATES)	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	18,204.7	32.16	19,714	4,820
201 - 400 KWH/KW	51.2	361.33	55	42
> 400 KWH/KW	72.5	2,213.79	79	297
TOTAL	18,328.4	41.71	19,848	5,159

AT 50% DEMAND RATCHET (PRESENT RATES)	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	6,991.0	20.50	30,928	7,562
201 - 400 KWH/KW	50.0	272.00	74	55
> 400 KWH/KW	100.0	6,075.00	29	108
TOTAL	7,141.0	107.04	31,031	7,725

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For TS Voltage Service

AT 75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	634	11	16	661
201 - 400 KWH/KW	0	9	16	25
> 400 KWH/KW	0	0	142	142
TOTAL	634	20	174	828

FORECAST AT PRESENT RATES:

SALES-MWH	634	20	174	828
BILLS	10	2	4	16
KW, BILLED	19,714	55	79	19,848

AT 50% DEAMND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK</u>				
0 - 200 KWH/KW	155	11	22	188
201 - 400 KWH/KW	0	4	22	26
> 400 KWH/KW	0	0	614	614
TOTAL	155	15	658	828

FORECAST AT PRESENT RATES:

SALES-MWH	155	15	658	828
BILLS	9	2	5	16
KW, BILLED	7,562	55	108	7,725

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Revenues For TS Voltage Service

	PRESENT RATES		
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	188	13.5915	\$25.6
201 - 400 KWH/KW	26	12.4436	\$3.2
> 400 KWH/KW	614	11.4145	\$70.1
TOTAL	828		\$98.9
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>	
	7,725	8.50	\$65.7
TOTAL			\$164.6
		<u>% ADJ.</u>	
TS Voltage Adj		-2.4	(\$4.0)

Present rates billing units based on average demand ratchet

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Billing Loads For Primary Voltage Service

	AT 75% Dmd RATCHET (PRESENT RATES)		AT 50% DEMAND RATCHET (PRESENT RATES)	
	Recorded	Forecast	Recorded	Forecast
<u>Sales (MWH):</u>				
TOTAL SCHEDULE J:	2,000,031.2	2,068,800		2,068,800
Primary Voltage Service	199,860.2	206,673		206,673
PERCENT OF TOTAL	9.99			
<u>Number Of Bills:</u>				
TOTAL SCHEDULE J:	78,723	80,940		80,940
Primary Voltage Service	1,500	1,546		1,546
PERCENT OF TOTAL	1.91			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage Service

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	31,917.3	15.97	229	15.27
201 - 400 KWH/KW	101,313.8	50.69	771	51.40
> 400 KWH/KW	66,629.1	33.34	500	33.33
TOTAL	199,860.2	100.00	1,500	100.00

RECORDED:

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	15.97	33,006	15.27	236
201 - 400 KWH/KW	50.69	104,763	51.40	795
> 400 KWH/KW	33.34	68,904	33.33	515
TOTAL	100.00	206,673	100.00	1,546

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage Service

	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet PRESENT	50% Dmd Ratchet PRESENT
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	244,543.4	130.52	252,881	192,816
201 - 400 KWH/KW	338,600.7	299.21	350,132	249,893
> 400 KWH/KW	133,578.2	498.80	138,140	78,362
TOTAL	716,722.3	278.85	741,153	521,071

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	22,989.7	21.52	174	14.80
201 - 400 KWH/KW	87,653.5	82.04	629	53.49
> 400 KWH/KW	(3,794.5)	(3.55)	373	31.71
TOTAL	106,848.7	100.01	1,176	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	21.52	44,476	14.80	229
201 - 400 KWH/KW	82.04	169,555	53.49	827
> 400 KWH/KW	(3.55)	(7,358)	31.71	490
TOTAL	100.01	206,673	100.00	1,546

AT 50% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	25,586.8	15.91	192	16.33
201 - 400 KWH/KW	92,755.5	57.67	663	56.38
> 400 KWH/KW	42,506.4	26.43	321	27.29
TOTAL	160,848.7	100.01	1,176	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	NO. OF BILLS
0 - 200 KWH/KW	15.91	32,882	16.33	252
201 - 400 KWH/KW	57.67	119,188	56.38	872
> 400 KWH/KW	26.43	54,603	27.29	422
TOTAL	100.01	206,673	100.00	1,546

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET (PRESENT RATES)	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	143,090.5	160.67	276,816	
201 - 400 KWH/KW	297,795.5	294.34	576,052	
> 400 KWH/KW	103,636.0	(36.61)	200,983	
TOTAL	544,522.0	196.22	1,053,851	

AT 50% DEMAND RATCHET (PRESENT RATES)	RECORDED		KW FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	164,240.1	155.79		211,066
201 - 400 KWH/KW	319,955.1	289.90		411,135
> 400 KWH/KW	88,752.9	478.93		114,010
TOTAL	572,948.1	280.74		736,211

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage Service

AT 75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	33,006	70,026	27,628	130,660
201 - 400 KWH/KW	0	34,737	27,628	62,365
> 400 KWH/KW	0	0	13,648	13,648
TOTAL	33,006	104,763	68,904	206,673

FORECAST AT PRESENT RATES:

SALES-MWH	33,006	104,763	68,904	206,673
BILLS	236	795	515	1,546
KW, BILLED	252,881	350,132	138,140	741,153

AT 50% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK</u>				
0 - 200 KWH/KW	32,882	49,979	15,672	98,533
201 - 400 KWH/KW	0	49,979	15,672	65,651
> 400 KWH/KW	0	19,230	23,259	42,489
TOTAL	32,882	119,188	54,603	206,673

FORECAST AT PRESENT RATES:

SALES-MWH	32,882	119,188	54,603	206,673
BILLS	252	872	422	1,546
KW, BILLED	192,816	249,893	78,362	521,071

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Revenues For Primary Voltage Service

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	98,533	13.5915	\$13,392.1
201 - 400 KWH/KW	65,651	12.4436	\$8,169.3
> 400 KWH/KW	42,489	11.4145	\$4,849.9
TOTAL	206,673		\$26,411.3
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>	
	521,071	8.50	\$4,429.1
TOTAL			\$30,840.4
		<u>% ADJ.</u>	
DP Voltage Adjustment		-2.1	(\$647.6)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Billing Loads For Primary Voltage, Secondary Metering Service

	<u>AT 75% Dmd RATCHET (PRESENT RATES)</u>		<u>AT 50% Dmd RATCHET (PRESENT RATES)</u>	
	<u>RECORDED</u>	<u>FORECAST</u>	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH:</u>				
TOTAL J:	2,000,031.2	2,068,800		2,068,800
Secondary Metering Adj.	20,481.8	21,102		21,102
PERCENT OF TOTAL	1.02			
<u>NUMBER OF BILLS:</u>				
TOTAL J:	78,723	80,940		80,940
Secondary Metering Adj.	256	267		267
PERCENT OF TOTAL	0.33			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Billing Loads By Rate Block For Primary Voltage, Secondary Metering Service

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	601.2	2.94	19	7.42
201 - 400 KWH/KW	11,259.9	54.98	146	57.03
> 400 KWH/KW	8,620.7	42.09	91	35.55
TOTAL	20,481.8	100.01	256	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	2.94	620	7.42	20
201 - 400 KWH/KW	54.98	11,602	57.03	152
> 400 KWH/KW	42.09	8,880	35.55	95
TOTAL	100.01	21,102	100.00	267

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Secondary Voltage Service

	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet PRESENT	50% Dmd Ratchet PRESENT
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	3,873.1	155.22	3,994	4,271
201 - 400 KWH/KW	37,439.5	300.75	38,577	43,189
> 400 KWH/KW	17,019.4	506.52	17,531	15,420
TOTAL	58,332.0	351.12	60,102	62,880

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage, Secondary Metering Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	421.6	2.44	8	3.70
201 - 400 KWH/KW	8,691.4	50.26	122	56.48
> 400 KWH/KW	8,178.5	47.30	86	39.82
TOTAL	17,291.5	100.00	216	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	2.44	515	3.70	10
201 - 400 KWH/KW	50.26	10,606	56.48	151
> 400 KWH/KW	47.30	9,981	39.82	106
TOTAL	100.00	21,102	100.00	267

AT 50% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	451.8	2.61	10	4.64
201 - 400 KWH/KW	9,701.6	56.11	127	58.80
> 400 KWH/KW	7,138.1	41.28	79	36.57
TOTAL	17,291.5	100.00	216	100.01

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	2.61	551	4.64	12
201 - 400 KWH/KW	56.11	11,840	58.80	157
> 400 KWH/KW	41.28	8,711	36.57	98
TOTAL	100.00	21,102	100.01	267

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Secondary Voltage Service

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET (PRESENT RATES)	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet PRESENT	50% Dmd Ratchet PRESENT
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	2,526.6	166.86	3,086	
201 - 400 KWH/KW	29,687.9	292.76	36,228	
> 400 KWH/KW	15,828.6	516.69	19,317	
TOTAL	48,043.1	359.92	58,631	

AT 50% DEMAND RATCHET (PRESENT RATES)	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet PRESENT	50% Dmd Ratchet PRESENT
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	2,705.5	166.99		3,300
201 - 400 KWH/KW	33,234.2	291.92		40,559
> 400 KWH/KW	13,923.4	512.67		16,991
TOTAL	49,863.1	346.78		60,850

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Primary Voltage, Secondary Metering Service

AT 75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	620	7,715	3,506	11,841
201 - 400 KWH/KW	0	3,887	3,506	7,393
> 400 KWH/KW	0	0	1,868	1,868
TOTAL	620	11,602	8,880	21,102

FORECAST AT PRESENT RATES:

SALES-MWH	620	11,602	8,880	21,102
BILLS	20	152	95	267
KW, BILLED	3,994	38,577	17,531	60,102

AT 75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	551	8,638	3,084	12,273
201 - 400 KWH/KW	0	3,202	3,084	6,286
> 400 KWH/KW	0	0	2,543	2,543
TOTAL	551	11,840	8,711	21,102

FORECAST AT PRESENT RATES:

SALES-MWH	551	11,840	8,711	21,102
BILLS	12	157	98	267
KW, BILLED	4,271	43,189	15,420	62,880

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Revenues For Primary Voltage, Secondary Metering Service

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	12,273	13.5915	\$1,668.1
201 - 400 KWH/KW	6,286	12.4436	\$782.2
> 400 KWH/KW	2,543	11.4145	\$290.3
TOTAL	21,102		\$2,740.6
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/KW</u>	
	62,880	8.50	\$534.5
Energy & Demand			\$3,275.1
		<u>% Adj.</u>	
DS Voltage Adjustment		(0.6)	(\$19.7)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Billing Loads For Network Service

	AT PRESENT RATES		AT PROPOSED RATES	
	RECORDED	FORECAST	RECORDED	FORECAST
<u>SALES, MWH:</u>				
TOTAL J:	2,000,031.2	2,068,800	2,000,031.2	2,068,800
Network Service	54,147.3	56,064	54,147.3	56,064
PERCENT OF TOTAL	2.71		2.71	
<u>NUMBER OF BILLS:</u>				
TOTAL J:	78,723	80,940	78,723	80,940
Network Service	1,832	1,886	1,832	1,886
PERCENT OF TOTAL	2.33		2.33	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Network Service

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	1,802.3	3.33	232	12.66
201 - 400 KWH/KW	45,126.7	83.34	1,422	77.62
> 400 KWH/KW	7,218.3	13.33	178	9.72
TOTAL	54,147.3	100.00	1832	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	3.33	1,867	12.66	239
201 - 400 KWH/KW	83.34	46,724	77.62	1,464
> 400 KWH/KW	13.33	7,473	9.72	183
TOTAL	100.00	56,064	100.00	1,886

AT 50% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	1,802.3	3.33	232	12.66
201 - 400 KWH/KW	45,126.7	83.34	1,422	77.62
> 400 KWH/KW	7,218.3	13.33	178	9.72
TOTAL	54,147.3	100.00	1832	100.00

FORECAST AT PRESENT RATES:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	3.33	1,867	12.66	239
201 - 400 KWH/KW	83.34	46,724	77.62	1,464
> 400 KWH/KW	13.33	7,473	9.72	183
TOTAL	100.00	56,064	100.00	1,886

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Network Service

AT 75% DEMAND RATCHET (PRESENT RATES)	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	11,021.5	163.53	11,417	11,417
201 - 400 KWH/KW	143,393.5	314.71	148,467	148,467
> 400 KWH/KW	15,400.3	468.71	15,944	15,944
TOTAL	169,815.3	318.86	175,828	175,828

AT 50% DEMAND RATCHET (PRESENT RATES)	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet	50% Dmd Ratchet
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	11,021.5	163.53	11,417	11,417
201 - 400 KWH/KW	143,393.5	314.71	148,467	148,467
> 400 KWH/KW	15,400.3	468.71	15,944	15,944
TOTAL	169,815.3	318.86	175,828	175,828

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Network Service

75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	1,867	29,693	3,189	34,749
201 - 400 KWH/KW	0	17,031	3,189	20,220
> 400 KWH/KW	0	0	1,095	1,095
TOTAL	1,867	46,724	7,473	56,064

FORECAST AT PRESENT RATES:

SALES-MWH	1,867	46,724	7,473	56,064
BILLS	239	1,464	183	1,886
KW, BILLED	11,417	148,467	15,944	175,828

50% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
	0 - 200	201 - 400	> 400	TOTAL
<u>LOAD FACTOR BLOCK:</u>				
0 - 200 KWH/KW	1,867	29,693	3,189	34,749
201 - 400 KWH/KW	0	17,031	3,189	20,220
> 400 KWH/KW	0	0	1,095	1,095
TOTAL	1,867	46,724	7,473	56,064

FORECAST AT PRESENT RATES:

SALES-MWH	1,867	46,724	7,473	56,064
BILLS	239	1,464	183	1,886
KW, BILLED	11,417	148,467	15,944	175,828

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of TY Revenues For Network Service

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	34,749	13.5915	4,722.9
201 - 400 KWH/KW	20,220	12.4436	2,516.1
> 400 KWH/KW	1,095	11.4145	125.0
TOTAL	56,064		7,364.0
	<u>kW</u>	<u>\$/kW</u>	
<u>DEMAND CHARGE:</u>	175,828	8.50	1,494.5
Energy & Demand			8,858.5
		<u>% Adj.</u>	
Network Service Adj		0.9	79.7

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

AT PRESENT RATES	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	155,921.0	7.80	12,540.0	15.93
201 - 400 KWH/KW	944,310.2	47.21	45,831.0	58.22
> 400 KWH/KW	899,800.0	44.99	20,352.0	25.85
TOTAL	2,000,031.2	100.00	78,723	100.00
<u>FORECAST:</u>				
	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	7.80	161,366	15.93	12,894
201 - 200 KWH/KW	47.21	976,680	58.22	47,123
> 400 KWH/KW	44.99	930,754	25.85	20,923
TOTAL	100.00	2,068,800	100.00	80,940

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

<u>LOAD FACTOR BLOCKS:</u>	<u>RECORDED</u>		<u>FORECAST</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>75% Dmd Ratchet PRESENT</u>	<u>50% Dmd Ratchet PRESENT</u>
0 - 200 KWH/KW	1,376,872.3	113.24	1,424,991	1,590,254
201 - 400 KWH/KW	3,181,981.3	296.77	3,291,033	3,546,991
> 400 KWH/KW	1,830,419.2	491.58	1,893,393	1,738,369
TOTAL	6,389,272.8	313.03	6,609,417	6,875,614

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

AT 75% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
LOAD FACTOR BLOCK:	0 - 200	201 - 400	> 400	TOTAL
0 - 200 KWH/KW	161,366	658,207	378,679	1,198,252
201 - 400 KWH/KW	0	318,473	378,679	697,152
> 400 KWH/KW	0	0	173,396	173,396
TOTAL	161,366	976,680	930,754	2,068,800

FORECAST AT PRESENT RATES:

SALES - MWH	161,366	976,680	930,754	2,068,800
BILLS	12,894	47,123	20,923	80,940
KW, BILLED	1,424,991	3,291,033	1,893,393	6,609,417

AT 50% DEMAND RATCHET (PRESENT RATES)				
LOAD FACTOR BLOCK (KWH/KW)				
LOAD FACTOR BLOCK:	0 - 200	201 - 400	> 400	TOTAL
0 - 200 KWH/KW	160,539	709,398	347,674	1,217,611
201 - 400 KWH/KW	0	318,589	347,674	666,263
> 400 KWH/KW	0	0	184,926	184,926
TOTAL	160,539	1,027,987	880,274	2,068,800

FORECAST AT PRESENT RATES:

SALES - MWH	160,539	1,027,987	880,274	2,068,800
BILLS	11,866	48,402	20,672	80,940
KW, BILLED	1,590,254	3,546,991	1,738,369	6,875,614

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	116,367.1	6.59	8,502	12.90
201 - 400 KWH/KW	816,327.0	46.25	461,461	700.07
> 400 KWH/KW	832,289.6	47.16	(404,047)	(612.97)
TOTAL	1,764,983.7	100.00	65,916	100.00

FORECAST:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	6.59	136,334	12.90	10,441
201 - 200 KWH/KW	46.25	956,820	700.07	566,637
> 400 KWH/KW	47.16	975,646	(612.97)	(496,138)
TOTAL	100.00	2,068,800	100.00	80,940

AT 50% DEMAND RATCHET
(PRESENT RATES)

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
<u>RECORDED:</u>				
0 - 200 KWH/KW	136,979.5	7.76	9,663	14.66
201 - 400 KWH/KW	876,932.9	49.69	39,417	59.80
> 400 KWH/KW	751,071.3	42.55	16,836	25.54
TOTAL	1,764,983.7	100.00	65,916	100.00

FORECAST:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	7.76	160,539	14.66	11,866
201 - 200 KWH/KW	49.69	1,027,987	59.80	48,402
> 400 KWH/KW	42.55	880,274	25.54	20,672
TOTAL	100.00	2,068,800	100.00	80,940

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For Total J

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet PRESENT	50% Dmd Ratchet PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	1,052,393.5	110.57	1,233,011	
201 - 400 KWH/KW	2,736,257.6	298.34	3,207,146	
> 400 KWH/KW	1,679,323.4	495.61	1,968,576	
TOTAL	5,467,974.5	322.79	6,408,733	

AT 50% DEMAND RATCHET	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
<u>LOAD FACTOR BLOCKS:</u>				
0 - 200 KWH/KW	1,174,093.3	116.67		1,376,009
201 - 400 KWH/KW	2,948,688.1	297.40		3,456,580
> 400 KWH/KW	1,542,105.9	487.04		1,807,396
TOTAL	5,664,887.3	311.57		6,639,985

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For kWm > 200

AT 75% DEMAND RATCHET (PRESENT RATES)	SALES		NUMBER OF BILLS	
	MWH	¢/kWh	MWH	¢/kWh
RECORDED:				
0 - 200 KWH/KW	63,951.9	8.67	686	12.08
201 - 400 KWH/KW	362,776.9	49.16	2,861	50.36
> 400 KWH/KW	311,293.7	42.17	2,134	37.56
TOTAL	738,022.5	100.00	5,681	100.00

FORECAST:	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	8.67	66,187	12.08	706
201 - 400 KWH/KW	49.16	375,287	50.36	2,942
> 400 KWH/KW	42.17	321,925	37.56	2,193
TOTAL	100.00	763,399	100.00	5,841

AT PRESENT RATES

Using Sch J Extract Data - 75% Ratchet at Present; Average (50%) Ratchet at Present

RECORDED:	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	62,180.8	10.66	650	14.19
201 - 400 KWH/KW	296,821.5	50.91	2,388	52.13
> 400 KWH/KW	224,077.3	38.43	1,543	33.68
TOTAL	583,079.6	100.00	4,581	100.00

FORECAST:	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	10.66	81,378	14.19	829
201 - 400 KWH/KW	50.91	388,646	52.13	3,045
> 400 KWH/KW	38.43	293,375	33.68	1,967
TOTAL	100.00	763,399	100.00	5,841

LOAD FACTOR BLOCKS:	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED
0 - 200 KWH/KW	683,528.3	93.56	707,428	763,806
201 - 400 KWH/KW	1,204,078.5	301.29	1,245,601	1,349,935
> 400 KWH/KW	626,856.4	496.59	648,271	590,610
TOTAL	2,514,463.2	293.51	2,601,300	2,704,351

AT 75% DEMAND RATCHET (PRESENT RATES)	LOAD FACTOR BLOCK (KWH/KW)			
	0 - 200	201 - 400	> 400	TOTAL
LOAD FACTOR BLOCK:				
0 - 200 KWH/KW	66,187	249,120	129,654	444,961
201 - 400 KWH/KW	0	126,167	129,654	255,821
> 400 KWH/KW	0	0	62,617	62,617
TOTAL	66,187	375,287	321,925	763,399

AT 50% DEMAND RATCHET (PRESENT RATES)	LOAD FACTOR BLOCK (KWH/KW)			
	0 - 200	201 - 400	> 400	TOTAL
LOAD FACTOR BLOCK:				
0 - 200 KWH/KW	81,378	269,987	118,122	469,487
201 - 400 KWH/KW	0	118,659	118,122	236,781
> 400 KWH/KW	0	0	57,131	57,131
TOTAL	81,378	388,646	293,375	763,399

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Determination of Billing Loads By Rate Block For kWm > 200

Using Sch J Extract Data - 75% Ratchet at Present; Average Ratchet at Proposed

AT 75% DEMAND RATCHET
(PRESENT RATES)

RECORDED:

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	48,140.1	7.58	477	10.18
201 - 400 KWH/KW	313,809.5	49.35	2,363	50.43
> 400 KWH/KW	273,717.4	43.07	1,846	39.39
TOTAL	635,467.0	100.00	4,686	100.00

FORECAST:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	7.58	49,825	10.18	490
201 - 200 KWH/KW	49.35	324,386	50.43	2,430
> 400 KWH/KW	43.07	283,106	39.39	1,898
TOTAL	100.00	657,317	100.00	4,818

AT 50% DEMAND RATCHET
(PRESENT RATES)

RECORDED:

	SALES		NUMBER OF BILLS	
	MWH	% OF TOTAL	BILLS	% OF TOTAL
0 - 200 KWH/KW	54,325.4	8.55	556	11.87
201 - 400 KWH/KW	335,983.6	52.87	2,484	53.01
> 400 KWH/KW	245,158.1	38.58	1,646	35.12
TOTAL	635,467.0	100.00	4,686	100.00

FORECAST:

	% OF TOTAL	MWH	% OF TOTAL	BILLS
0 - 200 KWH/KW	8.55	56,201	11.87	572
201 - 200 KWH/KW	52.87	347,523	53.01	2,554
> 400 KWH/KW	38.58	253,593	35.12	1,692
TOTAL	100.00	657,317	100.00	4,818

AT 75% DEMAND RATCHET
(PRESENT RATES)

LOAD FACTOR BLOCKS:

	RECORDED		FORECAST	
	KW	KWH/KW	75% Dmd Ratchet PRESENT	PROPOSED
0 - 200 KWH/KW	517,422.2	93.04	535,522	
201 - 400 KWH/KW	1,034,073.6	303.28	1,069,592	
> 400 KWH/KW	545,324.1	501.94	584,024	
TOTAL	2,096,819.9	303.06	2,169,138	

AT 50% DEMAND RATCHET
(PRESENT RATES)

LOAD FACTOR BLOCKS:

	RECORDED		FORECAST	
	KW	KWH/KW	PRESENT	PROPOSED 50% Dmd Ratchet
0 - 200 KWH/KW	558,899.3	97.20		578,200
201 - 400 KWH/KW	1,120,688.3	299.80		1,159,183
> 400 KWH/KW	496,765.6	493.51		513,856
TOTAL	2,176,353.2	291.99		2,251,239

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Revenues for Power Factor Adjustment for Billing Loads By Rate Block For kWm > 200

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	469,487	13.5915	\$63,810.3
201 - 400 KWH/KW	236,781	12.4436	\$29,464.1
> 400 KWH/KW	57,131	11.4145	\$6,521.2
TOTAL	763,399		\$99,795.6
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>	
ALL BILLING KW	2,704,351	8.50	\$22,987.0
Total Demand and Energy			\$122,782.6

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Estimate of PF Adjustment for kWm > 200 kW Customers

	Recorded
SALES (KWH)	738,022,526
KVARHR	376,134,367
POWER FACTOR (%)	89.0
FOR KWM > 200kW	<u>AT PRESENT RATES</u>
CALCULATED PF (%)	89.0
BASE PF (%)	85.0
DIFF.	<u>(4.0)</u>
ADJ. FOR EA. 1% DIFF.	0.001
PF ADJ RATE	-0.004
TOTAL DMD + ENGY CHRG	\$122,782.6
Power Factor Adjustment (\$000s)	(\$491.1)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
Schedule J - General Service Demand

Estimate of Test Year Revenues

PRESENT RATES			
	BILLING UNITS	UNIT PRICE	REVENUES \$000s
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	1,217,611	13.5915	\$165,491.6
201 - 400 KWH/KW	666,263	12.4436	\$82,907.1
> 400 KWH/KW	184,926	11.4145	\$21,108.4
TOTAL	2,068,800		\$269,507.1
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>	
ALL BILLING KW	6,875,614	8.50	\$58,442.7
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>	
1 PHASE	6,621	50.00	\$331.1
3 PHASE	74,319	70.00	\$5,202.3
SUBTOTAL	80,940		\$5,533.4
ADJUSTMENTS:			
MISCELLANEOUS **			(\$2,535.8)
Fuel Oil Adjustment	¢/kWh	1.986	\$41,086.4
Rate Adjustment (AES Refund)	%	0.000%	\$0.0
TOTAL REVENUE			\$372,033.8

** INCLUDES Schedule E Adjustment, Service Voltage Adjustments, Power Factor Adjust
TOU-C Option 2 Adjustment, and Rider Adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE AT PRESENT RATES

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider Mb J1	(\$13.7)
Rider Mb J2	(\$15.9)
Rider Mb J3	(\$15.4)
Rider Mb J4	(\$24.5)
Rider Mb J5	(\$9.0)
Rider Mb J6	(\$5.0)
Rider Mb J7	(\$13.7)
Rider Mb J8	(\$37.2)
Rider Mb J9	(\$16.6)
Rider Mb J10	(\$10.2)
Rider Mb J11	(\$30.5)
Rider Mb J12	(\$1.3)
Rider Mb J13	(\$2.3)
Rider Mb J14	(\$6.3)

Total Rider Mb (\$201.6)

<u>RIDER I</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider I J1	(\$73.2)

Total Rider I (\$73.2)

<u>RIDER T</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider T J1	(\$48.6)
Rider T J2	(\$0.7)
Rider T J3	(\$3.0)
Rider T J4	(\$12.8)
Rider T J5	(\$23.2)
Rider T J6	(\$5.2)
Rider T J7	(\$33.5)
Rider T J8	(\$38.0)
Rider T J9	(\$1.4)
Rider T J10	(\$5.3)
Rider T J11	(\$0.9)
Rider T J12	(\$1.2)
Rider T J13	(\$8.0)
Rider T J14	(\$6.1)
Rider T J15	(\$12.7)
Rider T J16	(\$56.5)
Rider T J17	(\$39.9)
Rider T J18	(\$33.3)
Rider T J19	(\$31.1)
Rider T J20	(\$1.3)
Rider T J21	\$0.0
Rider T J22	(\$4.0)
Rider T J23	(\$1.8)
Rider T J24	(\$33.2)
Rider T J25	(\$60.8)
TOTAL	(\$462.5)

<u>MULTIPLE RIDERS</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider Mbl J1	(\$348.8)
TOTAL	(\$348.8)

<u>SCHEDULE U</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Sch U J1	(\$87.6)
Sch U J2	(\$30.9)
Sch U J3	(\$58.7)
Sch U J4	(\$109.2)
TOTAL	(\$286.4)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J1

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		122.1		
Billing kW	123.6	32.0		
kWh Per Month	28,220	28,220		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	24,720	6,400	\$3,360	\$870
201 - 400 kWh/kW	3,500	6,400	\$436	\$796
>400 kWh/kW	0	15,420	\$0	\$1,760
Subtotal	28,220	28,220	\$3,796	\$3,426
On-Peak Surcharge		\$0		\$0
Off-Peak Credit		\$0		\$0
Rider T Energy Charge Adjustment		\$0		\$0
<u>Demand Charge:</u>				
Total kWb	123.6	32.0	\$1,051	\$272
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$4,917	\$3,778
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$4,917	\$3,778
Total Revenue Per Year (\$000s)			\$59.0	\$45.3
Rider Adjustment (\$000s/Yr)				(\$13.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J2

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		135.9		
Billing kW	173.7	71.8		
kWh Per Month	51,267	51,267		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	34,740	14,360	\$4,722	\$1,952
201 - 400 kWh/kW	16,527	14,360	\$2,057	\$1,787
>400 kWh/kW	0	22,547	\$0	\$2,574
Subtotal	51,267	51,267	\$6,779	\$6,313
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	173.7	71.8	\$1,476	\$610
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$8,325	\$7,003
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$8,325	\$7,003
Total Revenue Per Year (\$000s)			\$99.9	\$84.0
Rider Adjustment (\$000s/Yr)				(\$15.9)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J3

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J3	Rider M(b)	Sch. J3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		162.8		
Billing kW	332.0	209.9		
kWh Per Month	86,200	86,200		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	100	100		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	66,400	41,980	\$9,025	\$5,706
201 - 400 kWh/kW	19,800	41,980	\$2,464	\$5,224
>400 kWh/kW	0	2,240	\$0	\$256
Subtotal	86,200	86,200	\$11,489	\$11,186
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	332.0	209.9	\$2,822	\$1,784
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			(\$301)	(\$272)
Power Factor Adjustment			(\$215)	(\$195)
Total Base Revenue Per Month			\$13,865	\$12,583
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$13,865	\$12,583
Total Revenue Per Year (\$000s)			\$166.4	\$151.0
Rider Adjustment (\$000s/Yr)				(\$15.4)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J4

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J3	Rider M(b)	Sch. J3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		253.8		
Billing kW	424.5	234.1		
kWh Per Month	90,333	90,333		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	65	65		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	84,900	46,820	\$11,539	\$6,364
201 - 400 kWh/kW	5,433	43,513	\$676	\$5,415
>400 kWh/kW	0	0	\$0	\$0
Subtotal	90,333	90,333	\$12,215	\$11,779
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	424.5	234.1	\$3,608	\$1,990
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			(\$332)	(\$289)
Power Factor Adjustment			\$316	\$275
Total Base Revenue Per Month			\$15,877	\$13,835
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$15,877	\$13,835
Total Revenue Per Year (\$000s)			\$190.5	\$166.0
Rider Adjustment (\$000s/Yr)				(\$24.5)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J5

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		75.3		
Billing kW	100.8	44.3		
kWh Per Month	32,013	32,013		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	20,160	8,860	\$2,740	\$1,204
201 - 400 kWh/kW	11,853	8,860	\$1,475	\$1,103
>400 kWh/kW	0	14,293	\$0	\$1,631
Subtotal	32,013	32,013	\$4,215	\$3,938
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	100.8	44.3	\$857	\$377
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$5,142	\$4,395
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$5,142	\$4,395
Total Revenue Per Year (\$000s)			\$61.7	\$52.7
Rider Adjustment (\$000s/Yr)				(\$9.0)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J6

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		52.3		
Billing kW	136.0	96.8		
kWh Per Month	27,687	27,687		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	27,200	19,360	\$3,697	\$2,631
201 - 400 kWh/kW	487	8,327	\$61	\$1,036
>400 kWh/kW	0	0	\$0	\$0
Subtotal	27,687	27,687	\$3,758	\$3,667
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	136.0	96.8	\$1,156	\$823
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$4,984	\$4,570
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$4,984	\$4,570
Total Revenue Per Year (\$000s)			\$59.8	\$54.8
Rider Adjustment (\$000s/Yr)				(\$5.0)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J7

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J4	Rider M(b)	Sch. J4	Rider M(b)
Billing Load Per Month:				
Curtailable Load		145.2		
Billing kW	530.5	421.6		
kWh Per Month	162,200	162,200		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	99	99		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	106,100	84,320	\$14,421	\$11,460
201 - 400 kWh/kW	56,100	77,880	\$6,981	\$9,691
>400 kWh/kW	0	0	\$0	\$0
Subtotal	162,200	162,200	\$21,402	\$21,151
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	530.5	421.6	\$4,509	\$3,584
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			(\$155)	(\$148)
Power Factor Adjustment			(\$363)	(\$346)
Total Base Revenue Per Month			\$25,463	\$24,321
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$25,463	\$24,321
Total Revenue Per Year (\$000s)			\$305.6	\$291.9
Rider Adjustment (\$000s/Yr)				(\$13.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J8

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		307.9		
Billing kW	510.7	279.8		
kWh Per Month	173,100	173,100		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	88	88		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	102,140	55,960	\$13,882	\$7,606
201 - 400 kWh/kW	70,960	55,960	\$8,830	\$6,963
>400 kWh/kW	0	61,180	\$0	\$6,983
Subtotal	173,100	173,100	\$22,712	\$21,552
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	510.7	279.8	\$4,341	\$2,378
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$81)	(\$72)
Total Base Revenue Per Month			\$27,042	\$23,938
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$27,042	\$23,938
Total Revenue Per Year (\$000s)			\$324.5	\$287.3
Rider Adjustment (\$000s/Yr)				(\$37.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J9

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		155.3		
Billing kW	437.0	320.5		
kWh Per Month	140,960	140,960		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	84	84		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	87,400	64,100	\$11,879	\$8,712
201 - 400 kWh/kW	53,560	64,100	\$6,665	\$7,976
>400 kWh/kW	0	12,760	\$0	\$1,456
Subtotal	140,960	140,960	\$18,544	\$18,144
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	437.0	320.5	\$3,715	\$2,724
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$22	\$21
Total Base Revenue Per Month			\$22,351	\$20,969
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$22,351	\$20,969
Total Revenue Per Year (\$000s)			\$268.2	\$251.6
Rider Adjustment (\$000s/Yr)				(\$16.6)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J10

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		106.0		
Billing kW	205.0	125.5		
kWh Per Month	44,973	44,973		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	41,000	25,100	\$5,573	\$3,411
201 - 400 kWh/kW	3,973	19,873	\$494	\$2,473
>400 kWh/kW	0	0	\$0	\$0
Subtotal	44,973	44,973	\$6,067	\$5,884
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	205.0	125.5	\$1,743	\$1,067
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$7,880	\$7,031
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$7,880	\$7,031
Total Revenue Per Year (\$000s)			\$94.6	\$84.4
Rider Adjustment (\$000s/Yr)				(\$10.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J11

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		230.3		
Billing kW	371.1	198.4		
kWh Per Month	204,300	204,300		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	96	96		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	74,220	39,680	\$10,088	\$5,393
201 - 400 kWh/kW	74,220	39,680	\$9,236	\$4,938
>400 kWh/kW	55,860	124,940	\$6,376	\$14,261
Subtotal	204,300	204,300	\$25,700	\$24,592
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	371.1	198.4	\$3,154	\$1,686
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$317)	(\$289)
Total Base Revenue Per Month			\$28,607	\$26,069
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$28,607	\$26,069
Total Revenue Per Year (\$000s)			\$343.3	\$312.8
Rider Adjustment (\$000s/Yr)				(\$30.5)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J12

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		16.4		
Billing kW	191.6	179.3		
kWh Per Month	37,013	37,013		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	37,013	35,860	\$5,031	\$4,874
201 - 400 kWh/kW	0	1,153	\$0	\$143
>400 kWh/kW	0	0	\$0	\$0
Subtotal	37,013	37,013	\$5,031	\$5,017
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	191.6	179.3	\$1,629	\$1,524
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$6,730	\$6,621
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$6,730	\$6,621
Total Revenue Per Year (\$000s)			\$80.8	\$79.5
Rider Adjustment (\$000s/Yr)				(\$1.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J13

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		34.9		
Billing kW	94.3	68.1		
kWh Per Month	38,920	38,920		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	18,860	13,620	\$2,563	\$1,851
201 - 400 kWh/kW	18,860	13,620	\$2,347	\$1,695
>400 kWh/kW	1,200	11,680	\$137	\$1,333
Subtotal	38,920	38,920	\$5,047	\$4,879
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	94.3	68.1	\$802	\$579
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$5,919	\$5,538
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$5,919	\$5,538
Total Revenue Per Year (\$000s)			\$71.0	\$66.5
Rider Adjustment (\$000s/Yr)				(\$2.3)
				Half Year

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mb J14

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		47.6		
Billing kW	877.2	841.5		
kWh Per Month	400,480	400,480		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	81	81		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	175,440	168,300	\$23,845	\$22,874
201 - 400 kWh/kW	175,440	168,300	\$21,831	\$20,943
>400 kWh/kW	49,600	63,880	\$5,662	\$7,292
Subtotal	400,480	400,480	\$51,338	\$51,109
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	877.2	841.5	\$7,456	\$7,153
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$235	\$233
Total Base Revenue Per Month			\$59,099	\$58,575
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$59,099	\$58,575
Total Revenue Per Year (\$000s)			\$709.2	\$702.9
Rider Adjustment (\$000s/Yr)				(\$6.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider I J1

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J3	Rider I	Sch. J3	Rider I
Billing Load Per Month:				
Curtailable Load		0.0		
Billing kW	2,461.4	1,723.0	interruptible=2350	
kWh Per Month	255,000	255,000		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	93	93		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	255,000	255,000	\$34,658	\$34,658
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	255,000	255,000	\$34,658	\$34,658
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	2,461.4	1,723.0	\$20,922	\$14,646
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				
Primary Voltage Service Discount			(\$1,167)	(\$1,035)
Power Factor Adjustment			(\$445)	(\$394)
Total Base Revenue Per Month			\$54,038	\$47,945
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$54,038	\$47,945
Total Revenue Per Year (\$000s)			\$648.5	\$575.3
Rider Adjustment (\$000s/Yr)				(\$73.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J1

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J3	Rider T	Sch. J3	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	6,191.1	5,946.3		
kWh Per Month	1,247,195	1,247,195		
On-Peak kWh		718,799		
Off-Peak kWh		528,396		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	1,238,220	1,189,260	\$168,293	\$161,638
201 - 400 kWh/kW	8,975	57,935	\$1,117	\$7,209
>400 kWh/kW	0	0	\$0	\$0
Subtotal	1,247,195	1,247,195	\$169,410	\$168,847
On-Peak Surcharge		718,799		\$14,376
Off-Peak Credit		528,396		(\$15,852)
Rider T Energy Charge Adjustment		1,247,195		(\$1,476)
<u>Demand Charge:</u>				
Total kWb	6,191.1	5,946.3	\$52,624	\$50,544
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			(\$4,663)	(\$4,607)
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$217,441	\$213,388
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$217,441	\$213,388
Total Revenue Per Year (\$000s)			\$2,609.3	\$2,560.7
Rider Adjustment (\$000s/Yr)				(\$48.6)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J2

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	38.8	36.3		
kWh Per Month	2,440	2,440		
On-Peak kWh		573		
Off-Peak kWh		1,867		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	2,440	2,440	\$332	\$332
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	2,440	2,440	\$332	\$332
On-Peak Surcharge		573		\$11
Off-Peak Credit		1,867		(\$56)
Rider T Energy Charge Adjustment		2,440		(\$45)
<u>Demand Charge:</u>				
Total kWb	38.8	36.3	\$330	\$309
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$732	\$676
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$732	\$676
Total Revenue Per Year (\$000s)			\$8.8	\$8.1
Rider Adjustment (\$000s/Yr)				(\$0.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J3

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	116.8	116.8		
kWh Per Month	54,440	54,440		
On-Peak kWh		27,360		
Off-Peak kWh		27,080		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	23,360	23,360	\$3,175	\$3,175
201 - 400 kWh/kW	23,360	23,360	\$2,907	\$2,907
>400 kWh/kW	7,720	7,720	\$881	\$881
Subtotal	54,440	54,440	\$6,963	\$6,963
On-Peak Surcharge		27,360		\$547
Off-Peak Credit		27,080		(\$812)
Rider T Energy Charge Adjustment		54,440		(\$265)
<u>Demand Charge:</u>				
Total kWb	116.8	116.8	\$993	\$993
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$8,026	\$7,771
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$8,026	\$7,771
Total Revenue Per Year (\$000s)			\$96.3	\$93.3
Rider Adjustment (\$000s/Yr)				(\$3.0)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J4

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	292.0	290.4		
kWh Per Month	77,527	77,527		
On-Peak kWh		25,340		
Off-Peak kWh		52,187		
Power Factor	88	88		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	58,400	58,080	\$7,937	\$7,894
201 - 400 kWh/kW	19,127	19,447	\$2,380	\$2,420
>400 kWh/kW	0	0	\$0	\$0
Subtotal	77,527	77,527	\$10,317	\$10,314
On-Peak Surcharge		25,340		\$507
Off-Peak Credit		52,187		(\$1,566)
Rider T Energy Charge Adjustment		77,527		(\$1,059)
<u>Demand Charge:</u>				
Total kWb	292.0	290.4	\$2,482	\$2,468
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$38)	(\$38)
Total Base Revenue Per Month			\$12,831	\$11,765
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$12,831	\$11,765
Total Revenue Per Year (\$000s)			\$154.0	\$141.2
Rider Adjustment (\$000s/Yr)				(\$12.8)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J5

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	436.7	287.7		
kWh Per Month	107,040	107,040		
On-Peak kWh		57,580		
Off-Peak kWh		49,460		
Power Factor	84	84		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	87,340	57,540	\$11,871	\$7,821
201 - 400 kWh/kW	19,700	49,500	\$2,451	\$6,160
>400 kWh/kW	0	0	\$0	\$0
Subtotal	107,040	107,040	\$14,322	\$13,981
On-Peak Surcharge		57,580		\$1,152
Off-Peak Credit		49,460		(\$1,484)
Rider T Energy Charge Adjustment		107,040		(\$332)
<u>Demand Charge:</u>				
Total kWb	436.7	287.7	\$3,712	\$2,445
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$18	\$16
Total Base Revenue Per Month			\$18,122	\$16,190
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$18,122	\$16,190
Total Revenue Per Year (\$000s)			\$217.5	\$194.3
Rider Adjustment (\$000s/Yr)				(\$23.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J6

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	202.7	192.4		
kWh Per Month	31,080	31,080		
On-Peak kWh		11,507		
Off-Peak kWh		19,573		
Power Factor	88	88		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	31,080	31,080	\$4,224	\$4,224
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	31,080	31,080	\$4,224	\$4,224
On-Peak Surcharge		11,507		\$230
Off-Peak Credit		19,573		(\$587)
Rider T Energy Charge Adjustment		31,080		(\$357)
<u>Demand Charge:</u>				
Total kWb	202.7	192.4	\$1,723	\$1,635
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$18)	(\$18)
Total Base Revenue Per Month			\$5,999	\$5,564
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$5,999	\$5,564
Total Revenue Per Year (\$000s)			\$72.0	\$66.8
Rider Adjustment (\$000s/Yr)				(\$5.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J7

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	359.4	25.0		
kWh Per Month	700	700		
On-Peak kWh		400		
Off-Peak kWh		300		
Power Factor	100	100		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	700	700	\$95	\$95
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	700	700	\$95	\$95
On-Peak Surcharge		400		\$8
Off-Peak Credit		300		(\$9)
Rider T Energy Charge Adjustment		700		(\$1)
<u>Demand Charge:</u>				
Total kWb	359.4	25.0	\$3,055	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$47)	(\$5)
Total Base Revenue Per Month			\$3,173	\$382
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$3,173	\$382
Total Revenue Per Year (\$000s)			\$38.1	\$4.6
Rider Adjustment (\$000s/Yr)				(\$33.5)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J8

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	399.2	25.0		
kWh Per Month	667	667		
On-Peak kWh		400		
Off-Peak kWh		267		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	667	667	\$91	\$91
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	667	667	\$91	\$91
On-Peak Surcharge		400		\$8
Off-Peak Credit		267		(\$8)
Rider T Energy Charge Adjustment		667		\$0
<u>Demand Charge:</u>				
Total kWb	399.2	25.0	\$3,393	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$3,554	\$384
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$3,554	\$384
Total Revenue Per Year (\$000s)			\$42.6	\$4.6
Rider Adjustment (\$000s/Yr)				(\$38.0)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J9

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	131.8	131.6		
kWh Per Month	17,993	17,993		
On-Peak kWh		8,153		
Off-Peak kWh		9,840		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	17,993	17,993	\$2,446	\$2,446
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	17,993	17,993	\$2,446	\$2,446
On-Peak Surcharge		8,153		\$163
Off-Peak Credit		9,840		(\$295)
Rider T Energy Charge Adjustment		17,993		(\$132)
<u>Demand Charge:</u>				
Total kWb	131.8	131.6	\$1,120	\$1,119
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$3,636	\$3,513
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$3,636	\$3,513
Total Revenue Per Year (\$000s)			\$43.6	\$42.2
Rider Adjustment (\$000s/Yr)				(\$1.4)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J10

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	190.9	173.8		
kWh Per Month	17,113	17,113		
On-Peak kWh		4,040		
Off-Peak kWh		13,073		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	17,113	17,113	\$2,326	\$2,326
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	17,113	17,113	\$2,326	\$2,326
On-Peak Surcharge		4,040		\$81
Off-Peak Credit		13,073		(\$392)
Rider T Energy Charge Adjustment		17,113		(\$311)
<u>Demand Charge:</u>				
Total kWb	190.9	173.8	\$1,623	\$1,477
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$4,019	\$3,572
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$4,019	\$3,572
Total Revenue Per Year (\$000s)			\$48.2	\$42.9
Rider Adjustment (\$000s/Yr)				(\$5.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J11

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	39.2	39.2		
kWh Per Month	17,847	17,847		
On-Peak kWh		8,947		
Off-Peak kWh		8,900		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	7,840	7,840	\$1,066	\$1,066
201 - 400 kWh/kW	7,840	7,840	\$976	\$976
>400 kWh/kW	2,167	2,167	\$247	\$247
Subtotal	17,847	17,847	\$2,289	\$2,289
On-Peak Surcharge		8,947		\$179
Off-Peak Credit		8,900		(\$267)
Rider T Energy Charge Adjustment		17,847		(\$88)
<u>Demand Charge:</u>				
Total kWb	39.2	39.2	\$333	\$333
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$2,692	\$2,614
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$2,692	\$2,614
Total Revenue Per Year (\$000s)			\$32.3	\$31.4
Rider Adjustment (\$000s/Yr)				(\$0.9)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J12

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	65.6	65.6		
kWh Per Month	25,367	25,367		
On-Peak kWh		13,067		
Off-Peak kWh		12,300		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	13,120	13,120	\$1,783	\$1,783
201 - 400 kWh/kW	12,247	12,247	\$1,524	\$1,524
>400 kWh/kW	0	0	\$0	\$0
Subtotal	25,367	25,367	\$3,307	\$3,307
On-Peak Surcharge		13,067		\$261
Off-Peak Credit		12,300		(\$369)
Rider T Energy Charge Adjustment		25,367		(\$108)
<u>Demand Charge:</u>				
Total kWb	65.6	65.6	\$558	\$558
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$3,935	\$3,837
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$3,935	\$3,837
Total Revenue Per Year (\$000s)			\$47.2	\$46.0
Rider Adjustment (\$000s/Yr)				(\$1.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J13

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	79.2	25.0		
kWh Per Month	10,519	10,519		
On-Peak kWh		3,466		
Off-Peak kWh		7,053		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	10,519	5,000	\$1,430	\$680
201 - 400 kWh/kW	0	5,000	\$0	\$622
>400 kWh/kW	0	519	\$0	\$59
Subtotal	10,519	10,519	\$1,430	\$1,361
On-Peak Surcharge		3,466		\$69
Off-Peak Credit		7,053		(\$212)
Rider T Energy Charge Adjustment		10,519		(\$143)
<u>Demand Charge:</u>				
Total kWb	79.2	25.0	\$673	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$2,173	\$1,511
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$2,173	\$1,511
Total Revenue Per Year (\$000s)			\$26.1	\$18.1
Rider Adjustment (\$000s/Yr)				(\$8.0)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J14

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	62.6	25.0		
kWh Per Month	9,480	9,480		
On-Peak kWh		2,767		
Off-Peak kWh		6,713		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	9,480	5,000	\$1,288	\$680
201 - 400 kWh/kW	0	4,480	\$0	\$557
>400 kWh/kW	0	0	\$0	\$0
Subtotal	9,480	9,480	\$1,288	\$1,237
On-Peak Surcharge		2,767		\$55
Off-Peak Credit		6,713		(\$201)
Rider T Energy Charge Adjustment		9,480		(\$146)
<u>Demand Charge:</u>				
Total kWb	62.6	25.0	\$532	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$1,890	\$1,384
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$1,890	\$1,384
Total Revenue Per Year (\$000s)			\$22.7	\$16.6
Rider Adjustment (\$000s/Yr)				(\$6.1)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J15

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	198.6	109.6		
kWh Per Month	19,073	19,073		
On-Peak kWh		5,220		
Off-Peak kWh		13,853		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	19,073	19,073	\$2,592	\$2,592
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	19,073	19,073	\$2,592	\$2,592
On-Peak Surcharge		5,220		\$104
Off-Peak Credit		13,853		(\$416)
Rider T Energy Charge Adjustment		19,073		(\$312)
<u>Demand Charge:</u>				
Total kWb	198.6	109.6	\$1,688	\$932
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$4,350	\$3,292
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$4,350	\$3,292
Total Revenue Per Year (\$000s)			\$52.2	\$39.5
Rider Adjustment (\$000s/Yr)				(\$12.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J16

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	246.4	25.0		
kWh Per Month	60,853	60,853		
On-Peak kWh		613		
Off-Peak kWh		60,240		
Power Factor	83	83		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	49,280	5,000	\$6,698	\$680
201 - 400 kWh/kW	11,573	5,000	\$1,440	\$622
>400 kWh/kW	0	50,853	\$0	\$5,805
Subtotal	60,853	60,853	\$8,138	\$7,107
On-Peak Surcharge		613		\$12
Off-Peak Credit		60,240		(\$1,807)
Rider T Energy Charge Adjustment		60,853		(\$1,795)
<u>Demand Charge:</u>				
Total kWb	246.4	25.0	\$2,094	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$20	\$15
Total Base Revenue Per Month			\$10,322	\$5,620
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$10,322	\$5,620
Total Revenue Per Year (\$000s)			\$123.9	\$67.4
Rider Adjustment (\$000s/Yr)				(\$56.5)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J17

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	219.7	25.0		
kWh Per Month	35,720	35,720		
On-Peak kWh		240		
Off-Peak kWh		35,480		
Power Factor	83	83		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	35,720	5,000	\$4,855	\$680
201 - 400 kWh/kW	0	5,000	\$0	\$622
>400 kWh/kW	0	25,720	\$0	\$2,936
Subtotal	35,720	35,720	\$4,855	\$4,238
On-Peak Surcharge		240		\$5
Off-Peak Credit		35,480		(\$1,064)
Rider T Energy Charge Adjustment		35,720		(\$1,059)
<u>Demand Charge:</u>				
Total kWb	219.7	25.0	\$1,867	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$13	\$9
Total Base Revenue Per Month			\$6,805	\$3,481
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$6,805	\$3,481
Total Revenue Per Year (\$000s)			\$81.7	\$41.8
Rider Adjustment (\$000s/Yr)				(\$39.9)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J18

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	222.3	25.0		
kWh Per Month	24,607	24,607		
On-Peak kWh		0		
Off-Peak kWh		24,607		
Power Factor	88	88		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	24,607	5,000	\$3,344	\$680
201 - 400 kWh/kW	0	5,000	\$0	\$622
>400 kWh/kW	0	14,607	\$0	\$1,667
Subtotal	24,607	24,607	\$3,344	\$2,969
On-Peak Surcharge		0		\$0
Off-Peak Credit		24,607		(\$738)
Rider T Energy Charge Adjustment		24,607		(\$738)
<u>Demand Charge:</u>				
Total kWb	222.3	25.0	\$1,890	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$16)	(\$10)
Total Base Revenue Per Month			\$5,288	\$2,514
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$5,288	\$2,514
Total Revenue Per Year (\$000s)			\$63.5	\$30.2
Rider Adjustment (\$000s/Yr)				(\$33.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J19

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	181.5	25.3		
kWh Per Month	30,180	30,180		
On-Peak kWh		2,540		
Off-Peak kWh		27,640		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	30,180	5,060	\$4,102	\$688
201 - 400 kWh/kW	0	5,060	\$0	\$630
>400 kWh/kW	0	20,060	\$0	\$2,290
Subtotal	30,180	30,180	\$4,102	\$3,608
On-Peak Surcharge		2,540		\$51
Off-Peak Credit		27,640		(\$829)
Rider T Energy Charge Adjustment		30,180		(\$778)
<u>Demand Charge:</u>				
Total kWb	181.5	25.3	\$1,543	\$215
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$5,715	\$3,125
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$5,715	\$3,125
Total Revenue Per Year (\$000s)			\$68.6	\$37.5
Rider Adjustment (\$000s/Yr)				(\$31.1)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J20

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	34.6	34.6		
kWh Per Month	15,587	15,587		
On-Peak kWh		7,067		
Off-Peak kWh		8,520		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	6,920	6,920	\$941	\$941
201 - 400 kWh/kW	6,920	6,920	\$861	\$861
>400 kWh/kW	1,747	1,747	\$199	\$199
Subtotal	15,587	15,587	\$2,001	\$2,001
On-Peak Surcharge		7,067		\$141
Off-Peak Credit		8,520		(\$256)
Rider T Energy Charge Adjustment		15,587		(\$115)
<u>Demand Charge:</u>				
Total kWb	34.6	34.6	\$294	\$294
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$2,365	\$2,260
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$2,365	\$2,260
Total Revenue Per Year (\$000s)			\$28.4	\$27.1
Rider Adjustment (\$000s/Yr)				(\$1.3)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Ceased rider billing effective 02/01/06
Rider T J21

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	41.1	41.0		
kWh Per Month	19,920	19,920		
On-Peak kWh		10,700		
Off-Peak kWh		9,220		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	8,220	8,200	\$1,117	\$1,115
201 - 400 kWh/kW	8,220	8,200	\$1,023	\$1,020
>400 kWh/kW	3,480	3,520	\$397	\$402
Subtotal	19,920	19,920	\$2,537	\$2,537
On-Peak Surcharge		10,700		\$214
Off-Peak Credit		9,220		(\$277)
Rider T Energy Charge Adjustment		19,920		(\$63)
<u>Demand Charge:</u>				
Total kWb	41.1	41.0	\$349	\$349
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$2,956	\$2,903
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$2,956	\$2,903
Total Revenue Per Year (\$000s)			\$35.5	\$34.8
Rider Adjustment (\$000s/Yr)				(\$0.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J22

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	123.2	110.8		
kWh Per Month	17,320	17,320		
On-Peak kWh		5,680		
Off-Peak kWh		11,640		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	17,320	17,320	\$2,354	\$2,354
201 - 400 kWh/kW	0	0	\$0	\$0
>400 kWh/kW	0	0	\$0	\$0
Subtotal	17,320	17,320	\$2,354	\$2,354
On-Peak Surcharge		5,680		\$114
Off-Peak Credit		11,640		(\$349)
Rider T Energy Charge Adjustment		17,320		(\$235)
<u>Demand Charge:</u>				
Total kWb	123.2	110.8	\$1,047	\$942
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$3,471	\$3,141
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$3,471	\$3,141
Total Revenue Per Year (\$000s)			\$41.7	\$37.7
Rider Adjustment (\$000s/Yr)				(\$4.0)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J23

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	35.2	34.8		
kWh Per Month	14,927	14,927		
On-Peak kWh		5,973		
Off-Peak kWh		8,954		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	7,040	6,960	\$957	\$946
201 - 400 kWh/kW	7,040	6,960	\$876	\$866
>400 kWh/kW	847	1,007	\$97	\$115
Subtotal	14,927	14,927	\$1,930	\$1,927
On-Peak Surcharge		5,973		\$119
Off-Peak Credit		8,954		(\$269)
Rider T Energy Charge Adjustment		14,927		(\$150)
<u>Demand Charge:</u>				
Total kWb	35.2	34.8	\$299	\$296
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$2,299	\$2,153
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$2,299	\$2,153
Total Revenue Per Year (\$000s)			\$27.6	\$25.8
Rider Adjustment (\$000s/Yr)				(\$1.8)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J24

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	302.5	145.0		
kWh Per Month	62,400	62,400		
On-Peak kWh		16,700		
Off-Peak kWh		45,700		
Power Factor	87	87		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	60,500	29,000	\$8,223	\$3,942
201 - 400 kWh/kW	1,900	29,000	\$236	\$3,609
>400 kWh/kW	0	4,400	\$0	\$502
Subtotal	62,400	62,400	\$8,459	\$8,053
On-Peak Surcharge		16,700		\$334
Off-Peak Credit		45,700		(\$1,371)
Rider T Energy Charge Adjustment		62,400		(\$1,037)
<u>Demand Charge:</u>				
Total kWb	302.5	145.0	\$2,571	\$1,233
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$22)	(\$19)
Total Base Revenue Per Month			\$11,078	\$8,310
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$11,078	\$8,310
Total Revenue Per Year (\$000s)			\$132.9	\$99.7
Rider Adjustment (\$000s/Yr)				(\$33.2)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J25

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	429.0	25.0		
kWh Per Month	34,944	34,944		
On-Peak kWh		0		
Off-Peak kWh		34,944		
Power Factor	87	87		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	34,944	5,000	\$4,749	\$680
201 - 400 kWh/kW	0	5,000	\$0	\$622
>400 kWh/kW	0	24,944	\$0	\$2,847
Subtotal	34,944	34,944	\$4,749	\$4,149
On-Peak Surcharge		0		\$0
Off-Peak Credit		34,944		(\$1,048)
Rider T Energy Charge Adjustment		34,944		(\$1,048)
<u>Demand Charge:</u>				
Total kWb	429.0	25.0	\$3,647	\$213
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$17)	(\$9)
Total Base Revenue Per Month			\$8,449	\$3,385
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$8,449	\$3,385
Total Revenue Per Year (\$000s)			\$101.4	\$40.6
Rider Adjustment (\$000s/Yr)				(\$60.8)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider Mbl J1

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J3	Riders M(b)&I	Sch. J3	Riders M(b)&I
Billing Load Per Month:				
Curtailable Load				
Billing kW	3,894.5	593.7		
kWh Per Month	218,000	218,000		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	68	68		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	218,000	118,740	\$29,629	\$16,139
201 - 400 kWh/kW	0	99,260	\$0	\$12,352
>400 kWh/kW	0	0	\$0	\$0
Subtotal	218,000	218,000	\$29,629	\$28,491
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	3,894.5	593.7	\$33,103	\$5,046
Customer Charge			\$70	\$70
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			(\$1,317)	(\$704)
Power Factor Adjustment			\$1,066	\$570
Total Base Revenue Per Month			\$62,551	\$33,483
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$62,551	\$33,483
Total Revenue Per Year (\$000s)			\$750.6	\$401.8
Rider Adjustment (\$000s/Yr)				(\$348.8)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J1

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:				
Curtailable Load				
Billing kW	597.3	91.0		
kWh Per Month	117,287	117,287		
On-Peak kWh		493		
Off-Peak kWh		116,793		
Power Factor	91	91		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	117,287		\$15,941	
201 - 400 kWh/kW	0		\$0	
>400 kWh/kW	0		\$0	
Subtotal	117,287		\$15,941	
On-Peak kWh		493		\$68
Off-Peak kWh		116,793		\$11,679
Rider U Energy Charge		117,286		\$11,747
<u>Demand Charge:</u>				
Total kWb	597.3	91.0	\$5,077	\$1,638
Customer Charge			\$70	\$350
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$126)	(\$80)
Total Base Revenue Per Month			\$20,962	\$13,655
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$20,962	\$13,655
Total Revenue Per Year (\$000s)			\$251.5	\$163.9
Rider Adjustment (\$000s/Yr)				(\$87.6)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J2

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:				
Curtailable Load				
Billing kW	284.3	40.6		
kWh Per Month	36,033	36,033		
On-Peak kWh		3,073		
Off-Peak kWh		32,960		
Power Factor	89	89		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	36,033		\$4,897	
201 - 400 kWh/kW	0		\$0	
>400 kWh/kW	0		\$0	
Subtotal	36,033		\$4,897	
On-Peak kWh		3,073		\$422
Off-Peak kWh		32,960		\$3,296
Rider U Energy Charge		36,033		\$3,718
<u>Demand Charge:</u>				
Total kWb	284.3	40.6	\$2,417	\$731
Customer Charge			\$70	\$350
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$29)	(\$18)
Total Base Revenue Per Month			\$7,355	\$4,781
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$7,355	\$4,781
Total Revenue Per Year (\$000s)			\$88.3	\$57.4
Rider Adjustment (\$000s/Yr)				(\$30.9)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J3

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:				
Curtailable Load				
Billing kW	365.8	36.5		
kWh Per Month	81,227	81,227		
On-Peak kWh		1,313		
Off-Peak kWh		79,913		
Power Factor	96	96		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	73,160		\$9,944	
201 - 400 kWh/kW	8,067		\$1,004	
>400 kWh/kW	0		\$0	
Subtotal	81,227		\$10,948	
On-Peak kWh		1,313		\$180
Off-Peak kWh		79,913		\$7,991
Rider U Energy Charge		81,226		\$8,171
<u>Demand Charge:</u>				
Total kWb	365.8	36.5	\$3,109	\$657
Customer Charge			\$70	\$350
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$155)	(\$97)
Total Base Revenue Per Month			\$13,972	\$9,081
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$13,972	\$9,081
Total Revenue Per Year (\$000s)			\$167.7	\$109.0
Rider Adjustment (\$000s/Yr)				(\$58.7)

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Sch U J4

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Sch. U	Sch. J	Sch. U
Billing Load Per Month:				
Curtailable Load				
Billing kW	614.0	25.0		
kWh Per Month	135,220	135,220		
On-Peak kWh		280		
Off-Peak kWh		134,940		
Power Factor	95	95		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	122,800		\$16,690	
201 - 400 kWh/kW	12,420		\$1,545	
>400 kWh/kW	0		\$0	
Subtotal	135,220		\$18,235	
On-Peak kWh		280		\$38
Off-Peak kWh		134,940		\$13,494
Rider U Energy Charge		135,220		\$13,532
<u>Demand Charge:</u>				
Total kWb	614.0	25.0	\$5,219	\$450
Customer Charge			\$70	\$350
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			(\$235)	(\$140)
Total Base Revenue Per Month			\$23,289	\$14,192
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$23,289	\$14,192
Total Revenue Per Year (\$000s)			\$279.5	\$170.3
Rider Adjustment (\$000s/Yr)				(\$109.2)

Source: CSD Data Sheets

	Data Period	# Mos	on-peak Kwm	Kwm	U kWb	kWh	on-peak kWh	off-peak kWh	kvarhr	PF %
U1	1/05-12/05	12	81	597.3	91	117287	493	116793	54953	91
U2	1/05-12/05	12	40.6	284.3	40.6	36033	3073	32960	18707	89
U3	1/05-12/05	12	22.5	365.8	36.5	81227	1313	79913	23087	96
U4	1/05-12/05	12	3	614	25.0	135220	280	134940	46660	95
All on-peak is mid-peak										
Based on Avg Parameters										
		J at Proposed a	PS at Proposed b	J-TOU c	Mod U d	Save vs J at Propd e = a - d	Save vs J at Present f	Mod U at Present g	Mod U Bilf Incr h	
U1		\$18,500.43	\$21,129.77	\$8,944.08	\$10,249.02	\$8,251.41	\$7,277.70	\$16,633.29	-38%	
U2		\$6,589.32	\$8,653.51	\$3,106.75	\$3,753.16	\$2,836.16	\$2,563.68	\$5,693.64	-34%	
U3		\$12,258.75	\$13,852.47	\$5,959.13	\$6,711.17	\$5,547.58	\$4,871.39	\$11,145.12	-40%	
U4		\$20,435.29	\$22,883.76	\$9,482.37	\$10,202.10	\$10,233.18	\$9,060.52	\$17,631.88	-42%	
		Avg Sch PS		0.090063	U on-peak	0.110063	0.020000			
					U off-peak	0.070000	-0.020063			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
	<u>MWH</u>	<u>¢/kWh</u>	
<u>ENERGY CHARGE:</u>	40,500	13.4312	\$5,439.6
	<u>kW</u>	<u>\$/kW</u>	
<u>DEMAND CHARGE:</u>	74,222	9.00	\$668.0
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>	
1 PHASE	2,721	25.00	\$68.0
3 PHASE	<u>6,231</u>	60.00	<u>\$373.9</u>
SUBTOTAL	8,952		\$441.9
SCHEDULE E ADJUSTMENT			\$0.0
TOTAL BASE REVENUE			<u>\$6,549.5</u>
ADJUSTMENTS		<u>Rate</u>	
FUEL OIL ADJUSTMENT:		1.986 ¢/KWH	\$804.3
RATE ADJUSTMENT (AES REFUND):		0.000 (%)	\$0.0
UNADJUSTED TOTAL REVENUE			<u>\$7,353.8</u>
RIDER ADJUSTMENTS			\$0.0
TOTAL REVENUES			<u>\$7,353.8</u>

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS

	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>
<u>RECORDED:</u>				
RATE H:	<u>11,481</u>	<u>100.0</u>	<u>52,468</u>	<u>100.0</u>
TOTAL	11,481	100.0	52,468	100.0

	<u>NO. OF BILLS</u>		<u>MWH SALES</u>	
	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
<u>FORECASTS:</u>				
RATE H:	<u>100.0</u>	<u>8,952</u>	<u>100.0</u>	<u>40,500</u>
TOTAL	100.0	8,952	100.0	40,500

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS BY SERVICE PHASE

	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>BILLED KW</u>	<u>KWH/KW</u>
<u>RECORDED:</u>				
RATE H:				
1 PHASE	3,488	30.4	17,492.1	
3 PHASE	<u>7,993</u>	<u>69.6</u>	<u>78,663.9</u>	
TOTAL	11,481	100.0	96,156.0	
<u>RATES H TOTAL</u>				
1 PHASE	3,488	30.4	17,492.1	
3 PHASE	<u>7,993</u>	<u>69.6</u>	<u>78,663.9</u>	
TOTAL	11,481	100.0	96,156.0	545.66
	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>		
<u>FORECASTS:</u>				
1 PHASE	30.4	2,721		
3 PHASE	<u>69.6</u>	<u>6,231</u>		
TOTAL	100.0	8,952	74,222	

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

DETERMINATION OF TEST-YEAR BILLS BY SERVICE PHASE

	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>
<u>FORECAST:</u>		
<u>RATE H:</u>		
1 PHASE	30.4	2,721
3 PHASE	<u>69.6</u>	<u>6,231</u>
TOTAL	100.0	8,952

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
	<u>MWH</u>	<u>¢/kWh</u>	
<u>ENERGY CHARGE:</u>	40,500	13.4312	\$5,439.6
	<u>kW</u>	<u>\$/kW</u>	
<u>DEMAND CHARGE:</u>	74,222	9.00	\$668.0
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>	
1 PHASE	2,721	25.00	\$68.0
3 PHASE	<u>6,231</u>	60.00	<u>\$373.9</u>
SUBTOTAL	8,952		\$441.9
ADJUSTMENTS		<u>Rate</u>	
FUEL OIL ADJUSTMENT:		1.986 ¢/KWH	\$804.3
RATE ADJUSTMENT (AES REFUND):		0.000 (%)	\$0.0
MISCELLANEOUS **			<u>\$0.0</u>
TOTAL REVENUES			\$7,353.8

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	366,774	12.2456	\$44,913.7
201 - 400 KWH/KW	338,271	11.4473	\$38,722.9
> 400 KWH/KW	130,812	11.1379	\$14,569.7
SUBTOTAL	835,857		\$98,206.3
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>	
0 - 500 KW	1,034,937	14.35	\$14,851.3
501 - 1500 KW	479,646	13.85	\$6,643.1
> 1500 KW	367,120	12.85	\$4,717.5
SUBTOTAL	1,881,703		\$26,211.9
	<u>BILLS</u>	<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	2,303	350.00	\$806.1
<u>ADJUSTMENTS:</u>			
POWER FACTOR ADJ.			(\$995.3)
NETWORK ADJ.			\$212.3
Schedule E Adjustment			\$0.0
SUBTOTAL			(\$783.0)
UNADJUSTED BASE REVENUE			\$124,441.3
RATE RIDER & OTHER REVENUE ADJ.			
RIDER M (B)			(\$59.3)
RIDER I			\$0.0
RIDER T			(\$2.0)
RULE 4 CHP CONTRACTS ADJ.			\$0.0
Total Rate Rider & Other Revenue Adjustments			(\$61.3)
TOTAL BASE REVENUE			\$124,380.0
Fuel Oil Adjustment	c/kWh	1.986	\$16,600.1
Rate Adjustment (AES Refund)	%	0.000%	\$0.0
TOTAL REVENUE			\$140,980.1

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DISTRIBUTION OF SALES & BILLS
BY VOLTAGE SUPPLY SERVICE

<u>RECORDED:</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>	<u>GVARH</u>
PT1	48	1.1	176,509	5.7	24.918397
PT2	-	0.0	0	0.0	0.000000
PP3	1,845	43.2	2,043,078	66.4	564.711787
PP4	89	2.1	20,902	0.7	5.168016
PS5	190	4.4	154,413	5.0	43.961400
PS	<u>2,103</u>	<u>49.2</u>	<u>680,486</u>	<u>22.2</u>	<u>272.886220</u>
TOTAL	4,275	100.0	3,075,389	100.0	911.645820

<u>FORECASTS:</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
PT1	1.1	47	5.7	175,161
PT2	0.0	-	0.0	0
PP3	43.2	1,856	66.4	2,040,472
PP4	2.1	90	0.7	21,511
PS5	4.4	189	5.0	153,650
PS	<u>49.2</u>	<u>2,114</u>	<u>22.2</u>	<u>682,206</u>
TOTAL	100.0	4,296	100.0	3,073,000

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF TEST-YEAR BILLING KW
BY VOLTAGE SUPPLY SERVICE

<u>TYPE OF CUSTOMERS:</u>	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	<u>KWH/KW</u>
PT1	286,539	616.00	284,352	616.00
PT2	-	-	-	-
PP3	4,126,052	495.17	4,120,750	495.17
PP4	41,061	509.06	42,256	509.06
PS5	401,830	384.28	399,839	384.28
PS	<u>1,478,133</u>	<u>460.37</u>	<u>1,481,865</u>	<u>460.37</u>
TOTAL	6,333,615.3	485.57	6,329,062	485.57

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PS5 CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN EA. BLOCK	UNITS BILLED IN EA. BLOCK
<u>DEMAND CHARGE:</u>				
0 - 500 KW	23.63	23.63	23.63	94,482
501 - 1500 KW	70.90	63.31	39.68	158,656
> 1500 KW		100.00	36.69	146,701
TOTAL			100.00	399,839
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		49.08	49.08	75,411
201 - 400 KWH/KW		91.48	42.40	65,148
> 400 KWH/KW		100.00	8.52	13,090
TOTAL			100.00	153,650
<u>FORECASTS:</u>				
SALES, MWH	153,650			
BILLS	189			
KW	399,839			
KWH/BILL	812,963			
KW/BILL	2,116			

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF REVENUES AND NETWORK ADJ. FOR NETWORK SERVICE

Rate Block	Billing Units	PRESENT RATES	
		Unit Price	Revenues \$000s
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>	
0 - 500 KW	94,482	14.35	\$1,355.8
501 - 1500 KW	158,656	13.85	\$2,197.4
> 1500 KW	146,701	12.85	\$1,885.1
SUBTOTAL	399,839		\$5,438.3
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>	
0 - 200 KWH/KW	75,411	12.2456	\$9,234.5
201 - 400 KWH/KW	65,148	11.4473	\$7,457.7
> 400 KWH/KW	13,090	11.1379	\$1,458.0
SUBTOTAL	153,649		\$18,150.2
Total Demand & Energy			\$23,588.5
<u>Supply Voltage Adj.</u>		<u>% Adj.</u>	
Network Adjustment		0.9	\$212.3

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PS CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN <u>EA. BLOCK</u>	UNITS BILLED IN <u>EA. BLOCK</u>
<u>DEMAND CHARGE:</u>				
0 - 500 KW	61.19	55.00	55.00	1,034,937
501 - 1500 KW	183.58	80.49	25.49	479,646
> 1500 KW		100.00	19.51	367,120
TOTAL			100.00	1,881,704
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		43.88	43.88	366,774
201 - 400 KWH/KW		84.35	40.47	338,271
> 400 KWH/KW		100.00	15.65	130,812
TOTAL			100.00	835,856
<u>FORECASTS:</u>				
SALES, MWH	835,856			
BILLS	2,303			
KW	1,881,704			
KWH/BILL	362,942			
KW/BILL	817			

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

DETERMINATION OF POWER FACTOR ADJUSTMENT

	Recorded	Forecast
Kwh	834,898,806	
Kvarhrs	316,847,620	
POWER FACTOR CALCULATED	93.49	93.49

	Present Rates
CALCULATED PF (%)	93.0
BASE PF (%)	85.0
DIFFERENCE	(8.0)
ADJ. FOR EA. 1% DIFF.	0.001
PF ADJUSTMENT RATE	(0.008)
Demand + Energy Charges	\$124,418.2
POWER FACTOR ADJUSTMENT	(\$995.3)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	366,774	12.2456	\$44,913.7
201 - 400 KWH/KW	338,271	11.4473	\$38,722.9
> 400 KWH/KW	<u>130,812</u>	11.1379	<u>\$14,569.7</u>
SUBTOTAL	835,857		\$98,206.3
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>	
0 - 500 KW	1,034,937	14.35	\$14,851.3
501 - 1500 KW	479,646	13.85	\$6,643.1
> 1500 KW	<u>367,120</u>	12.85	<u>\$4,717.5</u>
SUBTOTAL	1,881,703		\$26,211.9
	<u>BILLS</u>	<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	2,303	350.00	\$806.1
<u>ADJUSTMENTS:</u>			
MISCELLANEOUS **			(\$844.3)
Fuel Oil Adjustment	¢/kWh	1.986	\$16,600.1
Rate Adjustment (AES Refund)	%	0.000%	\$0.0
TOTAL REVENUE			<u>\$140,980.1</u>

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE AT PRESENT RATES

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider Mb PS1	(\$2.3)
Rider Mb PS2	(\$21.9)
Rider Mb PS3	\$0.0 ref: CA-IR-193; Transferred to Rider Mb J14
Rider Mb PS4	(\$35.1)
TOTAL	(\$59.3)
<u>RIDER I</u>	<u>PRESENT</u> <u>(\$1000s)</u>
TOTAL	\$0.0
<u>RIDER T</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider T PS1	(\$2.0)
TOTAL	(\$2.0)
<u>RULE 4 CHP CUSTOMERS</u>	<u>PRESENT</u> <u>(\$1000s)</u>
TOTAL	\$0.0

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider T PS1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PS	Rider T	Sch. PS	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	1,053.7	1,047.3		
kWh Per Month	509,100	509,100		
On-Peak kWh		304,033		
Off-Peak kWh		205,067		
Power Factor	88	88		
kVarhr Per Month	279,100	279,100		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	210,740	209,460	\$25,806	\$25,650
201 - 400 kWh/kW	210,740	209,460	\$24,124	\$23,978
>400 kWh/kW	87,620	90,180	\$9,759	\$10,044
Subtotal	509,100	509,100	\$59,689	\$59,672
On-Peak Surcharge		304,033		\$6,081
Off-Peak Credit		205,067		(\$6,152)
Rider T Energy Charge Adjustment		509,100		(\$71)
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,175	\$7,175
501 - 1500 kWb	553.7	547.3	\$7,669	\$7,580
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	1,053.7	1,047.3	\$14,844	\$14,755
Customer Charge			\$350	\$350
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$224)	(\$223)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$74,659	\$74,493
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$74,659	\$74,493
Total Revenue Per Year (\$000s)			\$895.9	\$893.9
Rider Adjustment (\$000s/Yr)				(\$2.0)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:				
Curtailable Load		16.2		
Billing kW	671.4	659.2		
kWh Per Month	317,600	317,600		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	89	89		
kVarhr Per Month	160,240	160,240		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	134,280	131,840	\$16,443	\$16,145
201 - 400 kWh/kW	134,280	131,840	\$15,371	\$15,092
>400 kWh/kW	49,040	53,920	\$5,462	\$6,006
Subtotal	317,600	317,600	\$37,276	\$37,243
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,175	\$7,175
501 - 1500 kWb	171.4	159.2	\$2,374	\$2,205
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	671.4	659.2	\$9,549	\$9,380
Customer Charge			\$350	\$350
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$187)	(\$186)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$46,988	\$46,797
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$46,988	\$46,797
Total Revenue Per Year (\$000s)			\$563.9	\$561.6
Rider Adjustment (\$000s/Yr)				(\$2.3)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:				
Curtailable Load		149.0		
Billing kW	769.0	657.2		
kWh Per Month	335,567	335,567		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	100	100		
kVarhr Per Month	24,033	24,033		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	153,800	131,440	\$18,834	\$16,096
201 - 400 kWh/kW	153,800	131,440	\$17,606	\$15,046
>400 kWh/kW	27,967	72,687	\$3,115	\$8,096
Subtotal	335,567	335,567	\$39,555	\$39,238
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,175	\$7,175
501 - 1500 kWb	269.0	157.2	\$3,726	\$2,177
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	769.0	657.2	\$10,901	\$9,352
Customer Charge			\$350	\$350
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$757)	(\$729)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$50,049	\$48,221
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$50,049	\$48,221
Total Revenue Per Year (\$000s)			\$600.6	\$578.7
Rider Adjustment (\$000s/Yr)				(\$21.9)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS3

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:				
Curtailable Load		47.6		
Billing kW	877.2	841.5		
kWh Per Month	400,480	400,480		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	81	81		
kVarhr Per Month	286,380	286,380		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	175,440	168,300	\$21,484	\$20,609
201 - 400 kWh/kW	175,440	168,300	\$20,083	\$19,266
>400 kWh/kW	49,600	63,880	\$5,524	\$7,115
Subtotal	400,480	400,480	\$47,091	\$46,990
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,175	\$7,175
501 - 1500 kWb	377.2	341.5	\$5,224	\$4,730
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	877.2	841.5	\$12,399	\$11,905
Customer Charge			\$350	\$350
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			\$238	\$236
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$60,078	\$59,491
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$60,078	\$59,491
Total Revenue Per Year (\$000s)			\$720.9	\$713.9
Rider Adjustment (\$000s/Yr)				(\$7.0)

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS4

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:				
Curtailable Load		251.2		
Billing kW	1,220.1	1,031.7		
kWh Per Month	345,990	345,990		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	76	76		
kVarhr Per Month	235,600	235,600		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	244,020	206,340	\$29,882	\$25,268
201 - 400 kWh/kW	101,970	139,650	\$11,673	\$15,986
>400 kWh/kW	0	0	\$0	\$0
Subtotal	345,990	345,990	\$41,555	\$41,254
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,175	\$7,175
501 - 1500 kWb	720.1	531.7	\$9,973	\$7,364
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	1,220.1	1,031.7	\$17,148	\$14,539
Customer Charge			\$350	\$350
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			\$528	\$502
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$59,581	\$56,655
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$59,581	\$56,655
Total Revenue Per Year (\$000s)			\$715.0	\$679.9
Rider Adjustment (\$000s/Yr)				(\$35.1)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	797,782	12.1534	\$96,957.6
201 - 400 KWH/KW	744,994	11.3702	\$84,707.3
> 400 KWH/KW	519,207	11.0668	\$57,459.6
SUBTOTAL	2,061,983		\$239,124.5
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>	
0 - 500 KW	924,187	15.11	\$13,964.5
501 - 1500 KW	899,626	14.61	\$13,143.5
> 1500 KW	2,339,193	13.61	\$31,836.4
SUBTOTAL	4,163,006		\$58,944.4
Billing Demand Credit	1,698,643	(1.76)	(\$2,989.6)
	<u>BILLS</u>	<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	1,946	400.00	\$778.4
<u>ADJUSTMENTS:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
POWER FACTOR ADJ.			(\$2,980.7)
SECONDARY METERING ADJ.	21,511	0.2142	\$46.1
Schedule E Adjustment			\$0.0
SUBTOTAL			(\$2,934.6)
UNADJUSTED BASE REVENUE			\$292,923.1
RATE RIDER & OTHER REVENUE ADJ.			
RIDER M (B)			(\$1,340.9)
RIDER I			(\$165.6)
MULTIPLE RIDERS			(\$107.2)
Total Rate Rider & Other Revenue Adjustments			(\$1,613.7)
Total Base Revenue			\$291,309.4
Fuel Oil Adjustment	¢/kWh	1.986	\$40,951.0
Rate Adjustment (AES Refund)	%	0.000%	\$0.0
TOTAL REVENUE			\$332,260.4

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DISTRIBUTION OF SALES & BILLS
BY VOLTAGE SUPPLY SERVICE

<u>RECORDED:</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>	<u>GVARH</u>
PT1	48	1.1	176,509	5.7	24.918397
PT2	-	0.0	0	0.0	0.000000
PP3	1,845	43.2	2,043,078	66.4	564.711787
PP4	89	2.1	20,902	0.7	5.168016
PS5	190	4.4	154,413	5.0	43.961400
PS	<u>2,103</u>	<u>49.2</u>	<u>680,486</u>	<u>22.2</u>	<u>272.886220</u>
TOTAL	4,275	100.0	3,075,389	100.0	911.645820

<u>FORECASTS:</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
PT1	1.1	47	5.7	175,161
PT2	0.0	-	0.0	0
PP3	43.2	1,856	66.4	2,040,472
PP4	2.1	90	0.7	21,511
PS5	4.4	189	5.0	153,650
PS	<u>49.2</u>	<u>2,114</u>	<u>22.2</u>	<u>682,206</u>
TOTAL	100.0	4,296	100.0	3,073,000

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DETERMINATION OF TEST-YEAR BILLING KW
BY VOLTAGE SUPPLY SERVICE

<u>TYPE OF CUSTOMERS:</u>	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	<u>KWH/KW</u>
PT1	286,539	616.00	284,352	616.00
PT2	-	-	-	-
PP3	4,126,052	495.17	4,120,750	495.17
PP4	41,061	509.06	42,256	509.06
PS5	401,830	384.28	399,839	384.28
PS	<u>1,478,133</u>	<u>460.37</u>	<u>1,481,865</u>	<u>460.37</u>
TOTAL	6,333,615.3	485.57	6,329,062	485.57

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PP CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN EA. BLOCK	UNITS BILLED IN EA. BLOCK
<u>DEMAND CHARGE:</u>				
0 - 500 KW	23.37	22.20	22.20	924,187
501 - 1500 KW	70.12	43.81	21.61	899,626
> 1500 KW		100.00	56.19	2,339,193
TOTAL			100.00	4,163,006
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW		38.69	38.69	797,782
201 - 400 KWH/KW		74.82	36.13	744,994
> 400 KWH/KW		100.00	25.18	519,207
TOTAL			100.00	2,061,983
<u>FORECASTS:</u>				
SALES, MWH	2,061,983			
BILLS	1,946			
KW	4,163,006			
KWH/BILL	1,059,600.72			
KW/BILL	2,139.26			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DETERMINATION OF POWER FACTOR ADJUSTMENT

	Recorded	Forecast
KWH	2,063,980,755	
KVARHR	569,879,803	
POWER FACTOR	95.0000	95.0000

	<u>Present Rates</u>
CALCULATED PF (%)	95.0
BASE PF (%)	<u>85.0</u>
DIFFERENCE	(10.0)
ADJ. FOR EA. 1% DIFF.	0.001
PF ADJUSTMENT RATE	(0.010)
TOTAL DMD/ENERGY CHR.	\$298,068.9
POWER FACTOR ADJ.	(\$2,980.7)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

ESTIMATE OF TEST YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
0 - 200 KWH/KW	797,782	12.1534	\$96,957.6
201 - 400 KWH/KW	744,994	11.3702	\$84,707.3
> 400 KWH/KW	519,207	11.0668	\$57,459.6
SUBTOTAL	2,061,983		\$239,124.5
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>	
0 - 500 KW	924,187	15.11	\$13,964.5
501 - 1500 KW	899,626	14.61	\$13,143.5
> 1500 KW	2,339,193	13.61	\$31,836.4
SUBTOTAL	4,163,006		\$58,944.4
Billing Demand Credit	1,698,643	-1.76	(\$2,989.6)
	<u>BILLS</u>	<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	1,946	400.00	\$778.4
<u>ADJUSTMENTS:</u>	<u>(MWH)</u>	<u>¢/kWh</u>	
MISCELLANEOUS **			(\$4,548.3)
Fuel Oil Adjustment	¢/kWh	1.986	\$40,951.0
Rate Adjustment (AES Refund)	%	0.000%	\$0.0
TOTAL REVENUE			\$332,260.4

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider Mb PP1	(\$19.6)
Rider Mb PP2	(\$0.6)
Rider Mb PP3	(\$5.0)
Rider Mb PP4	(\$890.9)
Rider Mb PP5	(\$100.5)
Rider Mb PP6	(\$50.5)
Rider Mb PP7	(\$136.8)
Rider Mb PP8	(\$137.0)

TOTAL	(\$1,340.9)
-------	-------------

<u>RIDER I</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider I PP1	(\$45.6)
Rider I PP2	(\$120.0)
TOTAL	(\$165.6)

<u>MULTIPLE RIDERS</u>	<u>PRESENT</u> <u>(\$1000s)</u>
RiderMult PP1	(\$1.9)
RiderMult PP2	(\$105.3)
TOTAL	(\$107.2)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider I PP1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider I	Sch. PP3	Rider I
Billing Load Per Month:				
Curtailable Load				
Billing kW	1,257.0	1,036.8		
kWh Per Month	760,100	760,100		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	94	94		
kVarhr Per Month	284,100	284,100		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	251,400	207,360	\$30,554	\$25,201
201 - 400 kWh/kW	251,400	207,360	\$28,585	\$23,577
>400 kWh/kW	257,300	345,380	\$28,475	\$38,223
Subtotal	760,100	760,100	\$87,614	\$87,001
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	757.0	536.8	\$11,060	\$7,843
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	1,257.0	1,036.8	\$18,615	\$15,398
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				
Power Factor Adjustment			(\$956)	(\$922)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$105,673	\$101,877
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$105,673	\$101,877
Total Revenue Per Year (\$000s)			\$1,268.1	\$1,222.5
Rider Adjustment (\$000s/Yr)				(\$45.6)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider I PP2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider I	Sch. PP3	Rider I
Billing Load Per Month:				
Curtailable Load				
Billing kW	2,332.3	1,717.7		
kWh Per Month	912,600	912,600		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	86	86		
kVarhr Per Month	704,250	704,250		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	466,460	343,540	\$56,691	\$41,752
201 - 400 kWh/kW	446,140	343,540	\$50,727	\$39,061
>400 kWh/kW	0	225,520	\$0	\$24,958
Subtotal	912,600	912,600	\$107,418	\$105,771
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	1,000.0	1,000.0	\$14,610	\$14,610
>1500 kWb	832.3	217.7	\$11,328	\$2,963
Subtotal	2,332.3	1,717.7	\$33,493	\$25,128
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				
Power Factor Adjustment			(\$141)	(\$131)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$141,170	\$131,168
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$141,170	\$131,168
Total Revenue Per Year (\$000s)			\$1,694.0	\$1,574.0
Rider Adjustment (\$000s/Yr)				(\$120.0)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

RiderMult PP1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(a&b)	Sch. PP3	Rider M(a&b)
Billing Load Per Month:				
Curtailable Load				
Billing kW	395.7	385.1		
kWh Per Month	134,662	134,662		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	96	96		
kVarhr Per Month	72,236	72,236		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	79,140	77,020	\$9,618	\$9,361
201 - 400 kWh/kW	55,522	57,642	\$6,313	\$6,554
>400 kWh/kW	0	0	\$0	\$0
Subtotal	134,662	134,662	\$15,931	\$15,915
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	395.7	385.1	\$5,979	\$5,819
501 - 1500 kWb	0.0	0.0	\$0	\$0
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	395.7	385.1	\$5,979	\$5,819
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$241)	(\$239)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$22,069	\$21,905
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$22,069	\$21,905
Total Revenue Per Year (\$000s)			\$264.8	\$262.9
Rider Adjustment (\$000s/Yr)				(\$1.9)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

RiderMult PP2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Riders M(b)&I	Sch. PP3	Riders M(b)&I
Billing Load Per Month:				
Curtailable Load				
Billing kW	2,011.1	1,474.0		
kWh Per Month	1,187,550	1,187,550		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	90	90		
kVarhr Per Month	593,100	593,100		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	402,220	294,800	\$48,883	\$35,828
201 - 400 kWh/kW	402,220	294,800	\$45,733	\$33,519
>400 kWh/kW	383,110	597,950	\$42,398	\$66,174
Subtotal	1,187,550	1,187,550	\$137,014	\$135,521
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	1,000.0	974.0	\$14,610	\$14,230
>1500 kWb	511.1	0.0	\$6,956	\$0
Subtotal	2,011.1	1,474.0	\$29,121	\$21,785
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$831)	(\$787)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$165,704	\$156,929
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$165,704	\$156,929
Total Revenue Per Year (\$000s)			\$1,988.4	\$1,883.1
Rider Adjustment (\$000s/Yr)				(\$105.3)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP1

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		126.0		
Billing kW	854.0	759.5		
kWh Per Month	396,133	396,133		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	87	87		
kVarhr Per Month	128,000	128,000		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	170,800	151,900	\$20,758	\$18,461
201 - 400 kWh/kW	170,800	151,900	\$19,420	\$17,271
>400 kWh/kW	54,533	92,333	\$6,035	\$10,218
Subtotal	396,133	396,133	\$46,213	\$45,950
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	354.0	259.5	\$5,172	\$3,791
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	854.0	759.5	\$12,727	\$11,346
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$118)	(\$115)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$59,222	\$57,591
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$59,222	\$57,591
Total Revenue Per Year (\$000s)			\$710.7	\$691.1
Rider Adjustment (\$000s/Yr)				(\$19.6)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP2

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		4.8		
Billing kW	793.5	789.9		
kWh Per Month	474,100	474,100		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	98	98		
kVarhr Per Month	92,450	92,450		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	158,700	157,980	\$19,287	\$19,200
201 - 400 kWh/kW	158,700	157,980	\$18,045	\$17,963
>400 kWh/kW	156,700	158,140	\$17,342	\$17,501
Subtotal	474,100	474,100	\$54,674	\$54,664
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	293.5	289.9	\$4,288	\$4,235
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	793.5	789.9	\$11,843	\$11,790
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$865)	(\$864)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$66,052	\$66,000
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$66,052	\$66,000
Total Revenue Per Year (\$000s)			\$792.6	\$792.0
Rider Adjustment (\$000s/Yr)				(\$0.6)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP3

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		32.3		
Billing kW	337.1	312.9		
kWh Per Month	179,583	179,583		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	97	97		
kVarhr Per Month	46,750	46,750		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	67,420	62,580	\$8,194	\$7,606
201 - 400 kWh/kW	67,420	62,580	\$7,666	\$7,115
>400 kWh/kW	44,743	54,423	\$4,952	\$6,023
Subtotal	179,583	179,583	\$20,812	\$20,744
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	337.1	312.9	\$5,094	\$4,728
501 - 1500 kWb	0.0	0.0	\$0	\$0
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	337.1	312.9	\$5,094	\$4,728
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$311)	(\$306)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$25,995	\$25,576
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$25,995	\$25,576
Total Revenue Per Year (\$000s)			\$311.9	\$306.9
Rider Adjustment (\$000s/Yr)				(\$5.0)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP4

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtaillable Load		6,120.0		
Billing kW	57,399.0	52,809.0		
kWh Per Month	31,902,000	31,902,000		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	98	98		
kVarhr Per Month	7,406,000	7,406,000		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	11,479,800	10,561,800	\$1,395,186	\$1,283,618
201 - 400 kWh/kW	11,479,800	10,561,800	\$1,305,276	\$1,200,898
>400 kWh/kW	8,942,400	10,778,400	\$989,638	\$1,192,824
Subtotal	31,902,000	31,902,000	\$3,690,100	\$3,677,340
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	1,000.0	1,000.0	\$14,610	\$14,610
>1500 kWb	55,899.0	51,309.0	\$760,785	\$698,315
Subtotal	57,399.0	52,809.0	\$782,950	\$720,480
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$58,150)	(\$57,172)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$4,415,300	\$4,341,058
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$4,415,300	\$4,341,058
Total Revenue Per Year (\$000s)			\$52,983.6	\$52,092.7
Rider Adjustment (\$000s/Yr)				(\$890.9)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP5

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		737.0		
Billing kW	2,360.7	1,807.9		
kWh Per Month	756,000	756,000		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	97	97		
kVarhr Per Month	376,600	376,600		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	472,140	361,580	\$57,381	\$43,944
201 - 400 kWh/kW	283,860	361,580	\$32,275	\$41,112
>400 kWh/kW	0	32,840	\$0	\$3,634
Subtotal	756,000	756,000	\$89,656	\$88,690
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	1,000.0	1,000.0	\$14,610	\$14,610
>1500 kWb	860.7	307.9	\$11,714	\$4,191
Subtotal	2,360.7	1,807.9	\$33,879	\$26,356
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$1,482)	(\$1,381)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$122,453	\$114,075
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$122,453	\$114,075
Total Revenue Per Year (\$000s)			\$1,469.4	\$1,368.9
Rider Adjustment (\$000s/Yr)				(\$100.5)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP6

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		325.2		
Billing kW	1,411.8	1,167.9		
kWh Per Month	755,800	755,800		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	90	90		
kVarhr Per Month	367,400	367,400		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	282,360	233,580	\$34,316	\$28,388
201 - 400 kWh/kW	282,360	233,580	\$32,105	\$26,559
>400 kWh/kW	191,080	288,640	\$21,146	\$31,943
Subtotal	755,800	755,800	\$87,567	\$86,890
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	911.8	667.9	\$13,321	\$9,758
>1500 kWb	0.0	0.0	\$0	\$0
Subtotal	1,411.8	1,167.9	\$20,876	\$17,313
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$542)	(\$521)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$108,301	\$104,092
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$108,301	\$104,092
Total Revenue Per Year (\$000s)			\$1,299.6	\$1,249.1
Rider Adjustment (\$000s/Yr)				(\$50.5)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP7

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		939.0		
Billing kW	4,114.7	3,410.4		
kWh Per Month	1,972,800	1,972,800		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	96	96		
kVarhr Per Month	96,550	96,550		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	822,940	682,080	\$100,015	\$82,896
201 - 400 kWh/kW	822,940	682,080	\$93,570	\$77,554
>400 kWh/kW	326,920	608,640	\$36,180	\$67,357
Subtotal	1,972,800	1,972,800	\$229,765	\$227,807
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	1,000.0	1,000.0	\$14,610	\$14,610
>1500 kWb	2,614.7	1,910.4	\$35,586	\$26,001
Subtotal	4,114.7	3,410.4	\$57,751	\$48,166
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$3,163)	(\$3,036)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$284,753	\$273,347
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$284,753	\$273,347
Total Revenue Per Year (\$000s)			\$3,417.0	\$3,280.2
Rider Adjustment (\$000s/Yr)				(\$136.8)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Docket No. 2006-0386, Test-Year 2007

Rider Mb PP8

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:				
Curtailable Load		943.2		
Billing kW	5,625.6	4,918.2		
kWh Per Month	3,254,400	3,254,400		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	99	99		
kVarhr Per Month	140,600	140,600		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	1,125,120	983,640	\$136,740	\$119,546
201 - 400 kWh/kW	1,125,120	983,640	\$127,928	\$111,842
>400 kWh/kW	1,004,160	1,287,120	\$111,128	\$142,443
Subtotal	3,254,400	3,254,400	\$375,796	\$373,831
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
0 - 500 kWb	500.0	500.0	\$7,555	\$7,555
501 - 1500 kWb	1,000.0	1,000.0	\$14,610	\$14,610
>1500 kWb	4,125.6	3,418.2	\$56,149	\$46,522
Subtotal	5,625.6	4,918.2	\$78,314	\$68,687
Customer Charge			\$400	\$400
Time-of-Day Metering Charge				\$10
Power Factor Adjustment			(\$6,358)	(\$6,195)
kVarhr Charge			\$0	\$0
Total Base Revenue Per Month			\$448,152	\$436,733
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$448,152	\$436,733
Total Revenue Per Year (\$000s)			\$5,377.8	\$5,240.8
Rider Adjustment (\$000s/Yr)				(\$137.0)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

ESTIMATE OF TEST-YEAR REVENUES

<u>PRESENT RATES</u>			
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWH</u>	
0 - 200 KWH/KW	55,137	11.6037	\$6,397.9
201 - 400 KWH/KW	52,510	10.8318	\$5,687.8
> 400 KWH/KW	67,514	10.5326	\$7,111.0
SUBTOTAL	175,161		\$19,196.7
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>	
0 - 500 KW	22,748	14.00	\$318.5
501 - 1500 KW	39,496	13.50	\$533.2
> 1500 KW	222,107	12.50	\$2,776.3
SUBTOTAL	284,351		\$3,628.0
	<u>BILLS</u>	<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	47	400.00	\$18.8
<u>ADJUSTMENTS:</u>			
POWER FACTOR ADJ.			(\$319.5)
SECONDARY METERING ADJ.			\$0.0
Schedule E Adjustment			\$0.0
SUBTOTAL			(\$319.5)
UNADJUSTED BASE REVENUE			\$22,524.0
Fuel Oil Adjustment	c/kWH	1.986	\$3,478.7
Rate Adjustment (AES Refund):	%	0.000%	\$0.0
UNADJUSTED TOTAL REVENUE			\$26,002.7
<u>RATE RIDER & OTHER REVENUE ADJ.</u>			
RIDER M (B)			\$0.0
RIDER I			\$0.0
RIDER T			\$0.0
MULTIPLE RIDERS			\$0.0
RIDER EDR			\$0.0
SCHEDULE CHP			\$0.0
Total Rate Rider & Other Revenue Adjustments			\$0.0
TOTAL REVENUES			\$26,002.7

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DISTRIBUTION OF SALES & BILLS
BY VOLTAGE SUPPLY SERVICE

<u>RECORDED:</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>	<u>PERCENT OF TOTAL</u>	<u>GVARH</u>
PT1	48	1.1	176,509	5.7	24.918397
PT2	-	0.0	0	0.0	0.000000
PP3	1,845	43.2	2,043,078	66.4	564.711787
PP4	89	2.1	20,902	0.7	5.168016
PS5	190	4.4	154,413	5.0	43.961400
PS	<u>2,103</u>	<u>49.2</u>	<u>680,486</u>	<u>22.2</u>	<u>272.886220</u>
TOTAL	4,275	100.0	3,075,389	100.0	911.645820

<u>FORECASTS:</u>	<u>PERCENT OF TOTAL</u>	<u>NUMBER OF BILLS</u>	<u>PERCENT OF TOTAL</u>	<u>MWH SALES</u>
PT1	1.1	47	5.7	175,161
PT2	0.0	-	0.0	0
PP3	43.2	1,856	66.4	2,040,472
PP4	2.1	90	0.7	21,511
PS5	4.4	189	5.0	153,650
PS	<u>49.2</u>	<u>2,114</u>	<u>22.2</u>	<u>682,206</u>
TOTAL	100.0	4,296	100.0	3,073,000

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DETERMINATION OF TEST-YEAR BILLING KW
BY VOLTAGE SUPPLY SERVICE

<u>TYPE OF CUSTOMERS:</u>	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	<u>KWH/KW</u>
PT1	286,539	616.00	284,352	616.00
PT2	-	-	-	-
PP3	4,126,052	495.17	4,120,750	495.17
PP4	41,061	509.06	42,256	509.06
PS5	401,830	384.28	399,839	384.28
PS	<u>1,478,133</u>	<u>460.37</u>	<u>1,481,865</u>	<u>460.37</u>
TOTAL	6,333,615.3	485.57	6,329,062	485.57

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PT1 CUSTOMERS

	<u>RECORDED</u>		<u>FORECASTS</u>	
	<u>MWH</u>	<u>% OF TOTAL</u>	<u>MWH</u>	<u>% OF TOTAL</u>
<u>SALES, MWH</u>				
0 - 200 KWH/KW	2,222.1	1.26	2,207	1.26
201 - 400 KWH/KW	19,560.7	11.08	19,408	11.08
> 400 KWH/KW	<u>154,726.2</u>	<u>87.66</u>	<u>153,546</u>	<u>87.66</u>
TOTAL	176,509.0	100.00	175,161	100.00
 <u>KW BILLED</u>				
	<u>KW</u>	<u>KWH/KW</u>	<u>KW</u>	
0 - 200 KWH/KW	19,836.3	112.02	19,702	
201 - 400 KWH/KW	49,960.8	391.52	49,571	
> 400 KWH/KW	<u>216,742.1</u>	<u>713.87</u>	<u>215,079</u>	
TOTAL	286,539.2	616.00	284,352	

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PT1 CUSTOMERS

	<u>LOAD FACTOR BLOCKS (KWH/KW)</u>			
	<u>0 -200</u>	<u>201 - 400</u>	<u>> 400</u>	<u>TOTAL</u>
0 - 200 KWH/KW	2,207	9,914	43,016	55,137
201 - 400 KWH/KW	-	9,494	43,016	52,510
> 400 KWH/KW	-	-	67,514	67,514
SUBTOTAL	2,207	19,408	153,546	175,161
<u>FORECASTS:</u>				
SALES, MWH	2,207	19,408	153,546	175,161
KW	19,702	49,571	215,079	284,352

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR SCHEDULE PT1 CUSTOMERS

	UPPER LIM. OF BLK. AS % OF AVE. <u>USE/BILL</u>	CUM UNIT @ EA. UPPER LIM. AS % <u>OF TOTAL</u>	% UNITS BILLED IN EA. BLOCK	UNITS BILLED IN EA. BLOCK
<u>DEMAND CHARGE:</u>				
0 - 500 KW	8.26	8.00	8.00	22,748
501 - 1500 KW	24.79	21.89	13.89	39,496
> 1500 KW		100.0	78.11	222,107
TOTAL			100.00	284,352
<u>ENERGY CHARGE:</u>				
0 - 200 KWH/KW				55,137
201 - 400 KWH/KW				52,510
> 400 KWH/KW				67,514
TOTAL				175,161
<u>FORECASTS:</u>				
SALES, MWH	175,161			
BILLS	47			
KW	284,352			
KWH/BILL	3,726,830			
KW/BILL	6,050			

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE

DETERMINATION OF POWER FACTOR ADJUSTMENT

	Recorded	Forecast
KWH	176508964	
KVARHR	24918397	
POWER FACTOR	99.0182	99.0182

	<u>Present Rates</u>
CALCULATED PF (%)	99
BASE PF (%)	<u>85</u>
DIFFERENCE	(14.0)
ADJ. FOR EA. 1% DIFF.	0.001
PF ADJUSTMENT RATE	(0.014)
TOTAL DMD/ENERGY CHARGES	\$22,824.7
POWER FACTOR ADJ.	(\$319.5)

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
Docket No. 2006-0386, Test-Year 2007

ESTIMATE OF TEST-YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING</u> <u>UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES</u> <u>\$1000S</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWH</u>	
0 - 200 KWH/KW	55,137	11.6037	\$6,397.9
201 - 400 KWH/KW	52,510	10.8318	\$5,687.8
> 400 KWH/KW	67,514	10.5326	\$7,111.0
SUBTOTAL	175,161		\$19,196.7
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>	
0 - 500 KW	22,748	14.00	\$318.5
501 - 1500 KW	39,496	13.50	\$533.2
> 1500 KW	222,107	12.50	\$2,776.3
SUBTOTAL	284,351		\$3,628.0
	<u>BILLS</u>	<u>\$/month</u>	
<u>CUSTOMER CHARGE:</u>	47	400.00	\$18.8
<u>ADJUSTMENTS:</u>			
MISCELLANEOUS **			(\$319.5)
Fuel Oil Adjustment	c/kWH	1.986	\$3,478.7
Rate Adjustment (AES Refund):	%	0.000%	\$0.0
TOTAL REVENUES			\$26,002.7

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATE OF TEST-YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>CUSTOMER CHARGE:</u>	<u>Bills</u>	<u>\$/month</u>	
Customers	5,244	20.00	\$104.9
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>	
0 - 150 KWH/KW	17,464	18.6161	\$3,251.1
> 150 KWH/KW	20,336	14.6421	\$2,977.6
SUBTOTAL	<u>37,800</u>		<u>\$6,228.7</u>
<u>ADJUSTMENTS:</u>			
MINIMUM BILL			\$0.3
SCHEDULE E ADJUSTMENT			\$0.0
SECONDARY METERING ADJUSTMENT:			\$16.1
SUBTOTAL			<u>\$16.4</u>
<u>UNADJUSTED BASE REVENUE:</u>			<u>\$6,350.0</u>
FUEL OIL ADJUSTMENT:		1.986 ¢/kWh	\$750.7
RATE ADJUSTMENT (AES REFUND):		0.000 (%)	\$0.0
<u>UNADJUSTED TOTAL REVENUE</u>			<u>\$7,100.7</u>
RIDER ADJUSTMENTS			\$0.0
TOTAL REVENUES			<u>\$7,100.7</u>

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

DETERMINATION OF TEST-YEAR BILLING LOADS

<u>TOTAL F</u>	<u>RECORDED</u>	<u>FORECASTS</u>
SALES, MWH	33,339.6	37,800
BILLED KW	107,888.3	122,322
KWH/KW	309.02	309.02
NUMBER OF BILLS	4,848	5,244
<u>SECONDARY METERING</u> (with % surcharge)		
SALES, MWH	5,754.4	6,539
% OF TOTAL	17.3	17.3
BILLED KW	17,431.3	19,808
KWH/KW	330.12	330.12
NUMBER OF BILLS	930	1,007
% OF TOTAL	19.2	19.2

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

DETERMINATION OF TEST-YEAR BILLING LOADS

<u>BILLING BLOCKS:</u>	<u>CUM AT EA. UPPER LIMIT AS % OF TOTAL</u>	<u>PERCENT OF UNITS BILLED IN EACH BLOCK</u>	<u>MWH BILLED IN EACH BLOCK</u>
0 - 150 KWH/KW	46.2	46.2	17,464
> 150 KWH/KW	<u>100.0</u>	<u>53.8</u>	<u>20,336</u>
TOTAL		100.0	37,800

SECONDARY METERING:

0 - 150 KWH/KW	43.9	43.9	2,871
> 150 KWH/KW	<u>100.0</u>	<u>56.1</u>	<u>3,668</u>
TOTAL		100.0	6,539

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR MINIMUM CHARGE PROVISION

	<u>PRESENT RATES</u>
MIN CHRG less Cust CHRG.,\$/MO.	15.00
BASE ENERGY ,\$/KWH	0.186161
F.O.A., \$/KWH	0.01986
MINIMUM KWH/MO.	72.81

	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>		
TOTAL F	33,340	37,800
LT/EQ TO MIN. KWH	0.139	-
% OF TOTAL	0.000	0.000

<u>NUMBER OF BILLS</u>		
TOTAL F	4,848	5,244
LT/EQ TO MIN. KWH	8	9
% OF TOTAL	0.165	0.165

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

	<u>PRESENT RATES</u>		
	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>(MWH)</u>	<u>c/kWh</u>	
BASE ENERGY CHARGE	0.0	18.6161	\$0.0
FUEL OIL ADJUSTMENT:	0.0	1.986	<u>\$0.0</u>
TOTAL, IF NO MIN CHRG.			\$0.0
	<u>BILLS</u>	<u>\$/Month</u>	
AS BILLED WITH MINIMUM CHARGE:	9	35.00	<u>\$0.3</u>
MINIMUM BILL ADJ.:			\$0.3

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR SECONDARY METERING

		<u>PRESENT RATES</u>	
ENERGY REVENUES	<u>UNITS BILLED (MWH)</u>	<u>UNIT PRICE CENTS/KWH</u>	<u>REVENUES \$1000S</u>
ENERGY CHARGE:			
0 - 150 KWH/KW	2,871	18.6161	\$534.5
> 150 KWH/KW	<u>3,668</u>	14.6421	<u>\$537.1</u>
SUBTOTAL	6,539		\$1,071.6
TOTAL ENERGY REVENUES			<u>\$1,071.6</u>
SEC. METERING % ADJUSTMENT:		1.5%	\$16.1

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATE OF TEST-YEAR REVENUES

	<u>PRESENT RATES</u>		
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>
<u>CUSTOMER CHARGE:</u>	<u>Bills</u>	<u>\$/month</u>	
Customers	5,244	20.00	\$104.9
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>¢/kWh</u>	
0 - 150 KWH/KW	17,464	18.6161	\$3,251.1
> 150 KWH/KW	20,336	14.6421	\$2,977.6
SUBTOTAL	<u>37,800</u>		<u>\$6,228.7</u>
<u>ADJUSTMENTS:</u>			
MISCELLANEOUS **			\$16.4
FUEL OIL ADJUSTMENT:		1.986 ¢/kWh	\$750.7
RATE ADJUSTMENT (AES REFUND):		0.000 (%)	\$0.0
TOTAL REVENUES			<u>\$7,100.7</u>

Hawaiian Electric Company, Inc.
**Comparison of
 Energy Cost Adjustment Factors**

2007 Test Year - Adjustment for D&O No. 23768 - TY05 Rate Case

(¢/kwh)

Present Rates					
Adjustment for D&O No. 23768 - TY05 Rate Case (A)	Settlement (B)	June 2007 Update (C)	Direct Testimony (D)	Difference (A) - (B)	Difference (B) - (C)
1.986	7.340	7.331	7.299	-5.354	0.009

Proposed Rates			
Adjustment for D&O No. 23768 - TY05 Rate Case	Settlement	June 2007 Update	Direct Testimony
0.000	0.000	0.000	0.000

HAWAIIAN ELECTRIC COMPANY, INC.
Comparison of
Composite Cost of Generation - Central Station and DG

2007 Test Year - Adjustment for D&O No. 23768 - TY05 Rate Case

At Present Rates

<u>Line</u>	<u>(A)</u> Adjustment for D&O No. 23768 - TY05 Rate Case	<u>(B)</u> Settlement and June 2007 Update	<u>(C)</u> Direct Testimony	<u>(D)</u> Difference (A) - (B)
<u>CENTRAL STATION</u>				
	<u>FUEL PRICES, ¢/mmbtu</u>			
1 Kahe	1,055.65	1,055.65	1,050.17	0.00
2 Waiau	1,055.65	1,055.65	1,050.17	0.00
3 Honolulu	1,105.93	1,055.65	1,050.17	50.28
4 Diesel	1,707.34	1,707.34	1,698.53	0.00
5 DG		0.00	0.00	0.00
	<u>BTU MIX, %</u>			
6 Kahe	70.31	70.01	69.65	0.30
7 Waiau	25.25	25.14	25.10	0.11
8 Honolulu	3.58	3.56	3.62	0.02
9 Diesel	0.86	0.85	1.17	0.01
10 DG		0.44	0.46	-0.44
	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>0.00</u>
11 COMPOSITE COST OF GENERATION - CENTRAL STATION ¢/mmbtu	<u>1,063.05</u>	<u>1,056.54</u>	<u>1,052.93</u>	<u>6.51</u>
<u>DG</u>				
	<u>FUEL PRICE, ¢/kwh</u>			
12 COMPOSITE COST OF DG ENERGY ¢/kwh	<u>18.204</u>	<u>N/A</u>	<u>N/A</u>	<u>18.204</u>

Source:

Col (A): D&O No. 23768 - HECO TY05 Rate Case

Col (B): Settlement and June 2007 Update HECO-WP-934, p. 3.

Col (C): Direct Testimony HECO-WP-934, p. 3.

HAWAIIAN ELECTRIC COMPANY, INC.
Comparison of
Composite Cost of Generation - Central Station and DG

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

At Proposed Rates

<u>Line</u>	(A) Adjustment for D&O 23768 - TY05 Rate Case, Settlement and June 2007 Update	(B) Direct Testimony	(C) Difference (A) - (B)
<u>CENTRAL STATION</u>			
	<u>FUEL PRICES, ¢/mmbtu</u>		
1 Kahe	1,055.97	1,050.49	5.48
2 Waiau	1,055.65	1,050.17	5.48
3 Honolulu	1,105.93	1,100.18	5.75
4 Diesel	1,707.34	1,698.53	8.81
5 Other	0.00	0.00	0.00
	<u>BTU MIX, %</u>		
6 Kahe	70.31	69.97	0.34
7 Waiau	25.25	25.22	0.03
8 Honolulu	3.58	3.63	-0.05
9 Diesel	0.86	1.18	-0.32
10 Other	0.00	0.00	0.00
	<u>100.00</u>	<u>100.00</u>	<u>0.00</u>
11 COMPOSITE COST OF GENERATION - CENTRAL STATION ¢/mmbtu	<u>1,063.28</u>	<u>1,059.86</u>	<u>3.42</u>
<u>DG</u>			
	<u>FUEL PRICE, ¢/kwh</u>		
12 COMPOSITE COST OF DG ENERGY ¢/kwh	<u>18.204</u>	<u>18.114</u>	<u>0.090</u>

Source:

Col (A): D&O No. 23768 - HECO TY05 Rate Case,
Settlement and June 2007 Update HECO-WP-936, p. 2 and p. 5.
Col (B): Direct Testimony HECO-WP-936, p. 2 and p. 5.

HAWAIIAN ELECTRIC COMPANY, INC.
Comparison of
Composite Cost of Purchased Energy

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

At Present and Proposed Rates

<u>Line</u>	(A) Adjustment for D&O 23768 and Settlement	(B) June 2007 Update	(C) Direct Testimony	(D) Difference (A) - (B)	(E) Difference (B) - (C)
<u>PAYMENT RATE, ¢/kwh</u>					
1 Kalaeloa	9.920	9.920	9.919	0.000	0.001
2 AES	2.730	2.690	2.671	0.040	0.019
3 HPower - On Peak	12.782	12.782	12.753	0.000	0.029
4 HPower - Off Peak	9.710	9.710	9.688	0.000	0.022
5 HPower - On Peak-excess	0.000	0.000	0.000	0.000	0.000
6 HPower - Off Peak-excess	9.710	9.710	9.687	0.000	0.023
7 Tesoro - On Peak	14.640	14.640	14.600	0.000	0.040
8 Tesoro - Off Peak	11.080	11.080	11.050	0.000	0.030
9 Chevron - On Peak	14.640	14.640	14.600	0.000	0.040
10 Chevron - Off Peak	11.080	11.080	11.050	0.000	0.030
<u>KWH MIX, %</u>					
11 Kalaeloa	44.17	44.17	44.16	0.00	0.01
12 AES	45.65	45.65	45.65	0.00	0.00
13 HPower - On Peak	5.83	5.83	5.84	0.00	-0.01
14 HPower - Off Peak	2.69	2.69	2.69	0.00	0.00
15 HPower - On Peak-excess	0.00	0.00	0.00	0.00	0.00
16 HPower - Off Peak-excess	1.48	1.48	1.48	0.00	0.00
17 Tesoro - On Peak	0.09	0.09	0.09	0.00	0.00
18 Tesoro - Off Peak	0.07	0.07	0.07	0.00	0.00
19 Chevron - On Peak	0.01	0.01	0.01	0.00	0.00
20 Chevron - Off Peak	0.01	0.01	0.01	0.00	0.00
	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>0.00</u>	<u>0.00</u>
21 COMPOSITE COST OF PURCHASED ENERGY, ¢/kwh	<u>6.802</u>	<u>6.783</u>	<u>6.772</u>	<u>0.019</u>	<u>0.0110</u>

Source:

Col (A): Settlement HECO-WP-934, p. 8.

Col (B): June 2007 Update HECO-WP-934, p. 8.

Col (C): Direct Testimony HECO-WP-934, p. 8.

Hawaiian Electric Company, Inc.

Comparison of Sales Heat Rates**2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case****(btu/kwh sales)**

	Adjustment for D&O 23768 - TY05 Rate Case, Settlement and June 2007 Update ¹	Direct Testimony ²	Difference
Central Station with Wind/Hydro	11,209	11,225	-16
LSFO	11,143	11,139	4
Diesel	34,955	32,003	2,952
Wind/Hydro	11,209	11,225	-16

¹ Adjustment for D&O 23768, Settlement, June 2007 Update HECO-WP-936, page 4.² Direct Testimony HECO-WP-936 page 4.

Hawaiian Electric Company, Inc.

2007 TEST YEAR ENERGY COST ADJUSTMENT FACTORS**ADJUSTMENT FOR D&O 23768 - TY05 RATE CASE**

ENERGY COST ADJUSTMENT FACTOR PRESENT RATES	ENERGY COST ADJUSTMENT FACTOR PROPOSED RATES
<hr/>	<hr/>
1.986 ¢/KWH	0.000 ¢/KWH

Source: HECO-934, 936

Hawaiian Electric Company, Inc.
ENERGY COST ADJUSTMENT FILING
Present Rates

<u>Line</u>	<u>Effective Date</u>	<u>2007 Test Year - Adjustment for D&O 23768 TY05 Rate Case</u>	<u>Line</u>		
1					
2		Supercedes Factor			
		<u>GENERATION COMPONENT</u>		<u>PURCHASED ENERGY COMPONENT</u>	
		FUEL PRICES, ¢/MBTU		PURCHASED ENERGY PRICE - ¢/KWH	
3		Honolulu 1,105.93	35	THC - On Peak	14.640
4		Kahe 1,055.65	36	- Off Peak	11.080
5		Waiau-Steam 1,055.65	37	HRRV - On Peak	12.782
6		Waiau-Waste 0.00	38	- Off Peak	9.710
7		Waiau-Diesel 1,707.34	39	HRRV - On Peak (excess)	0.000
			40	- Off Peak (excess)	9.710
		BTU MIX, %	41	Chevron - On Peak	14.640
8		Honolulu 3.58	42	- Off Peak	11.080
9		Kahe 70.31	43	Kalaehoa	9.920
10		Waiau-Steam 25.25	44	AES-HI	2.730
11		Waiau-Waste 0.00			
12		Waiau-Diesel 0.86			
				PURCHASED ENERGY KWH MIX, %	
13		COMPOSITE COST OF GENERATION, ¢/MBTU 1,063.05	45	THC - On Peak	0.09
14		% Input to system kWh Mix 58.15	46	- Off Peak	0.07
15		Efficiency Factor, Mbtu/kWh 0.011140	47	HRRV - On Peak	5.83
16		WEIGHTED COMPOSITE GEN COST, ¢/KWH (Line 13 x 14 x 15) 6.88634	48	- Off Peak	2.69
			49	HRRV - On Peak (excess)	0.00
17		BASE GENERATION COST, ¢/Mbtu 869.64	50	- Off Peak (excess)	1.48
18		Base % Input to System kWh Mix 58.41	51	Chevron - On Peak	0.01
19		Efficiency Factor, Mbtu/kWh 0.011140	52	- Off Peak	0.01
20		WEIGHTED BASE GEN COST, ¢/KWH (Line 17 x 18 x 19) 5.65864	53	Kalaehoa	44.17
			54	AES-HI	45.65
21		Cost Less Base (Line 16 - 20) 1.22770			
22		Revenue Tax Req Multiplier 1.0975			
23		GENERATION FACTOR, ¢/KWH (Line 21 x 22) 1.34740	55	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH 6.802	
			56	% Input to System kWh Mix 41.58	
		<u>DG ENERGY COMPONENT</u>	57	WTD CMP PURCH ENRGY COST, ¢/KWH (Line 55 x 56) 2.82827	
24		COMPOSITE COST OF DG ENERGY, ¢/kWh 18.204			
25		% Input to System kWh Mix 0.27			
26		WTD COMP DG ENRGY COST, ¢/KWH (Line 24 x 25) 0.04915	58	BASE PURCH ENERGY COMP COST 5.568	
			59	Base % Input to System kWh Mix 41.50	
27		BASE DG ENERGY COMP COST 14.076	60	WTD BASE PRCH ENERGY COST, ¢/KWH (Line 58 x 59) 2.31072	
28		Base % Input to System kWh Mix 0.09			
29		WTD BASE DG ENERGY COST, ¢/KWH (Line 27 x 28) 0.01267			
30		Cost Less Base (Line 26 - 29) 0.03648			
31		Loss Factor 1.051	61	Cost Less Base (Line 57 - 60) 0.51755	
32		Revenue Tax Req Multiplier 1.0975	62	Loss Factor 1.051	
33		DG FACTOR, ¢/KWH (Line 30 x 31 x 32) 0.04208	63	Revenue Tax Req Multiplier 1.0975	
			64	PURCHASED ENERGY FACTOR, ¢/KWH (Line 61 x 62 x 63) 0.59698	
34		TOTAL GENERATION FACTOR ¢/KWH (Line 23 + 33) 1.38948			
		<u>SYSTEM COMPOSITE</u>			
65		Total Generation and Purchased Energy Factor, ¢/kWh (Line 34 + 64) 1.98646			
66		Adjustment, ¢/kWh 0.000			
67		ECA Reconciliation Adjustment, ¢/kWh 0.000			
68		ENERGY COST ADJUSTMENT FACTOR, ¢/KWH (Line 65 + 66 + 67) 1.986			

Reference: HECO-WP-934

HAWAIIAN ELECTRIC COMPANY, INC.
Comparison of
Composite Cost of Generation - Central Station
At Present Rates and Proposed Rates

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

<u>Line</u>	(A) At Present Rates	(B) At Proposed Rates	(C) Difference (B) - (A)
<u>FUEL PRICES, ¢/mmbtu</u>			
1 Kahe	1,055.65	1,055.97	0.32
2 Waiau	1,055.65	1,055.65	0.00
3 Honolulu	1,105.93	1,105.93	0.00
4 Diesel	1,707.34	1,707.34	0.00
5 Other		0.00	0.00
 <u>BTU MIX, %</u>			
6 Kahe	70.31	70.31	0.00
7 Waiau	25.25	25.25	0.00
8 Honolulu	3.58	3.58	0.00
9 Diesel	0.86	0.86	0.00
10 Other		0.00	0.00
	<u>100.00</u>	<u>100.00</u>	<u>0.00</u>
11 COMPOSITE COST OF GENERATION ¢/mmbtu	<u>1,063.05</u>	<u>1,063.28</u>	<u>0.23</u>

Source:

Col (A): HECO-WP-934, p. 3

Col (B): HECO-WP-936, p. 2

HAWAIIAN ELECTRIC COMPANY, INC.
ENERGY COST ADJUSTMENT (ECA) FILING
Proposed Rates

ENERGY COST ADJUSTMENT (ECA) FILING - 2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case (page 1 of 2)

<u>Line</u>	
1	Effective Date 2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
2	Supercedes Factors of

GENERATION COMPONENT

CENTRAL STATION

FUEL PRICES, ¢/mmbtu

3	Honolulu	1,105.93
4	Kahe	1,055.97
5	Waiau-Steam	1,055.65
6	Waiau-Diesel	1,707.34
7	Other	0.00

BTU MIX, %

8	Honolulu	3.58
9	Kahe	70.31
10	Waiau-Steam	25.25
11	Waiau-Diesel	0.86
12	Other	0.00
		<u>100.00</u>

13	COMPOSITE COST OF GENERATION, CNTRL STN + OTHER ¢/mmbtu	1,063.28
14	% Input to System kWh Mix	58.15

EFFICIENCY FACTOR, mmbtu/kWh

	(A)	(B)	(C)	(D)
			Percent of	
			Centrl Stn +	
			Other	
	<u>Fuel Type</u>	<u>Eff Factor</u>	<u>Centrl Stn +</u>	<u>Weighted</u>
		<u>mmbtu/kwh</u>	<u>Other</u>	<u>Eff Factor</u>
15	LSFO	0.011143	99.73	0.011113
16	Diesel	0.034955	0.27	0.000096
17	Other	0.011209	0.00	0.000000

(Lines 15, 16, 17): Col(B) x Col(C) = Col(D)

18	Weighted Efficiency Factor, mmbtu/kWh [(lines 15(D) + 16(D) + 17(D))]	0.011209
----	--	----------

19	WGTD. COMPOSITE CNTRL STN + OTHER GEN COST, ¢/kWh (lines (13x14x18))	6.93049
----	--	---------

20	BASE CNTRL STN + OTHER GEN. COST, ¢/mmbtu	1,063.28
21	Base % Input to Sys kWh Mix	58.15
22	Efficiency Factor, mmbtu/kwh	0.011209
23	WEIGHTED BASE CNTRL STN + OTHER GEN COST ¢/kWh (lines (20x21x22))	6.93049

24	COST LESS BASE (line(19-23))	0.00000
25	Revenue Tax Req Multiplier	1.0975
26	CNTRL STN + OTHER GENERATION FACTOR, ¢/kWh (line (24x25))	0.00000

DG ENERGY COMPONENT

27	COMPOSITE COST OF DG ENERGY, ¢/kWh	18.204
28	% Input to System kWh Mix	0.27

29	WTD COMP DG ENRGY COST, ¢/kWh (Lines 27 x 28)	0.04915
----	--	---------

30	BASE DG ENERGY COMP COST	18.204
31	Base % Input to System kWh Mix	0.27
32	WTD BASE DG ENERGY COST, ¢/kWh (Line 30 x 31)	0.04915

33	Cost Less Base (Line 29 - 32)	0.00000
34	Loss Factor	1.051
35	Revenue Tax Req Multiplier	1.0975
36	DG FACTOR, ¢/kWh (Line 33 x 34 x 35)	0.00000

SUMMARY OF

TOTAL GENERATION FACTOR, ¢/kWh

37	Cntrl Stn+Other (line 26)	0.00000
38	DG (line 36)	0.00000
39	TOTAL GENERATION FACTOR, ¢/kWh (lines 37 + 38)	0.00000

HAWAIIAN ELECTRIC COMPANY, INC.
ENERGY COST ADJUSTMENT (ECA) FILING
Proposed Rates

ENERGY COST ADJUSTMENT (ECA) FILING - 2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case (page 2 of 2)

Line **PURCHASED ENERGY COMPONENT**

PURCHASED ENERGY PRICE, ¢/kWh		
40	THC - On Peak	14.640
41	- Off Peak	11.080
42	HRRV - On Peak	12.782
43	- Off Peak	9.710
44	HRRV - On Peak (excess)	0.000
45	- Off Peak (excess)	9.710
46	Chevron - On Peak	14.640
47	- Off Peak	11.080
48	Kalaheo	9.920
49	AES-HI	2.730

PURCHASED ENERGY KWH MIX, %		
50	THC - On Peak	0.09
51	- Off Peak	0.07
52	HRRV - On Peak	5.83
53	- Off Peak	2.69
54	HRRV - On Peak (excess)	0.00
55	- Off Peak (excess)	1.48
56	Chevron - On Peak	0.01
57	- Off Peak	0.01
58	Kalaheo	44.17
59	AES-HI	45.65
		<u>100.00</u>

60	COMPOSITE COST OF PURCHASED ENERGY, ¢/kWh	6.802
61	% Input to System kWh Mix	41.58
62	WEIGHTED COMP. PURCH. ENERGY COST, ¢/kWh (lines (60x61))	2.82827
63	BASE PURCHASED ENERGY COMPOSITE COST, ¢/kWh	6.802
64	Base % Input to Sys kWh Mix	41.58
65	WEIGHTED BASE PURCH ENERGY COST, ¢/kWh (lines (63 x 64))	2.82827
66	COST LESS BASE (lines (62 - 65))	0.00000
67	Loss Factor	1.051
68	Revenue Tax Req Multiplier	1.0975
69	PURCHSD ENERGY FCTR, ¢/kWh (lines (66 x 67 x 68))	0.00000

<u>Line</u> SYSTEM COMPOSITE		
70	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines (39 + 69))	0.00000
71	Adjustment, ¢/kWh	0.000
72	ECA Reconciliation Adjustment	0.000
73	ECA FACTOR, ¢/kWh (lines (70 + 71 + 72))	0.000

Reference: HECO-WP-936, HECO-937

Hawaiian Electric Company, Inc.
WEIGHTED COMPOSITE GENERATION COST CALCULATIONS CENTRAL
STATION AND OTHER

2007 Test Year - Adjustment for D&O 23768 TY05 - Rate Case

At Proposed Rates

	<u>LSFO</u>	<u>Diesel</u>	<u>Other</u>	<u>Total</u>	<u>units</u>
1 Fixed Efficiency Factor	0.011143	0.034955	0.011209		mbtu/kwh
2 Gen Mwh % round	99.73	0.27 0.000001	0.00	100.00	%
3 Weighted Efficiency Factor (line 1 x line 2)	0.011113	0.000096	0.000000	0.011209	mbtu/kwh

Reference:

- 1 HECO-WP-936, page 4.
- 2 HECO-WP-936, page 3.

Hawaiian Electric Company, Inc.
Fuel Price for ECAC Calculations

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

<u>Description</u>	(A)	(B)	(C)	(D)	(E)	(F)
	<u>Kahe</u>	<u>Waiau</u>	<u>Central Station</u> <u>Honolulu</u>	<u>Diesel</u>	<u>Total</u>	<u>DG</u> <u>Diesel</u>
1 MBtu Consumed	35,380,212	12,708,603	1,801,590	431,808	50,322,213	223,030
2 Fuel Price (\$/bbl)	65.4412	65.4412	65.4412	99.9771		99.9771
3 Trucking cost per bbl	0.0000	0.0000	3.1170	0.0000		4.4100
4 Inspection Cost per bbl	0.0092	0.0092	0.0092	0.0730		0.0730
5 Fuel Additive Cost per bbl	0.0198	0.0000	0.0000	0.0000		0.0000
6 Heat Content (MBtu/bbl)	6.2	6.2	6.2	5.86		5.86
<u>Fuel Price at Present Rates</u>						
7 Fuel Price (\$/bbl)						
8 Fuel Oil	65.4412	65.4412	65.4412	99.9771		99.9771
9 Trucking	0.0000	0.0000	3.1170	0.0000		4.4100
10 Inspection	0.0092	0.0092	0.0092	0.0730		0.0730
11 Fuel Additive	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>		<u>0.0000</u>
12 Fuel Price (\$/bbl)	65.4504	65.4504	68.5674	100.0501		104.4601
13 Fuel Price per MBtu (¢/MBtu)	1,055.65	1,055.65	1,105.93	1,707.34		1,782.60
<u>Fuel Price at Proposed Rates</u>						
14 Fuel Price (\$/bbl)						
15 Fuel Oil	65.4412	65.4412	65.4412	99.9771		99.9771
16 Trucking	0.0000	0.0000	3.1170	0.0000		4.4100
17 Inspection	0.0092	0.0092	0.0092	0.0730		0.0730
18 Fuel Additive	<u>0.0198</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>		<u>0.0000</u>
19 Fuel Price (\$/bbl)	65.4702	65.4504	68.5674	100.0501		104.4601
20 Fuel Price per MBtu (¢/MBtu)	1,055.97	1,055.65	1,105.93	1,707.34		1,782.60

= D&O No. 23768

Line 1: HECO-409, page 2

Line 2: HECO-404, pg 1, col B

Line 3: HECO-405, pg 2, col B

Line 4: HECO-405, pg 3, col B

Line 5: Additive \$/bbl calculations:

Additive Expense ⁽¹⁾ ÷ Kahe bbls consumed ⁽²⁾
\$113,000 ÷ 5,706,486 bbls = 0.0198

⁽¹⁾ HECO-405, pg 1, line 4

⁽²⁾ HECO-404, pg 1, line 2

Hawaiian Electric Company, Inc.Determination of
Percent of Central Station Generation MBTU Mix
and
Total Generation MBTU Mix**2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case****At Present and Proposed Rates**

<u>Line</u>	<u>Central Station Plant</u>	<u>(A) MBTU</u>	<u>(B) % to Total Central Station Plant</u>	<u>(C) % to Total Generation</u>	<u>Reference</u>
1	Kahe	35,380,212	70.31		HECO-409 page 2
2	Waiau	12,708,603	25.25		HECO-409 page 2
3	Honolulu	1,801,590	3.58		HECO-409 page 2
4	LSFO total	49,890,405	99.14		
5	Diesel	431,808	0.86		HECO-409 page 2
6	Total Central Station Plant	50,322,213	100.00	99.56	HECO-409 page 2
7	DG	223,030		0.44	
8	Total Generation	50,545,243		100.00	

Hawaiian Electric Company, Inc.
Net System Percent Mix

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

At Present and Proposed Rates

<u>Line</u>		(A) 2007 Norm Energy (Mwh)	(B) % to Total System	(C) % to Total Central Station Generation	<u>Reference</u>
	<u>Central Station Generation</u>				
1	Kahe	3,464,015			HECO-409 page 2
2	Waiau	1,098,623			HECO-409 page 2
3	Honolulu	141,293			HECO-409 page 2
	subtotal LSFO	4,703,931	57.99	99.73	
4	Diesel	12,971	0.16	0.27	HECO-409 page 2
5	Total Central Station Generation	4,716,902	58.15	100.00	HECO-409 page 2
6	DG	21,840	0.27		HECO-409 page 2
	<u>Purchased Power</u>				
7	AES Hawaii, Inc.	1,539,910			HECO-409 page 3
8	Kalaeloa Partners	1,490,246			HECO-409 page 4
9	HPower	337,436			HECO-409 page 5
10	Tesoro	5,304			HECO-RWP-R504
11	Chevron	589			HECO-RWP-R504
12	Total Purchased Power	3,373,485	41.58		HECO-403, line 6
13	Total Net System	8,112,227	100.00		

HAWAIIAN ELECTRIC COMPANY, INC.
Composite Cost of Generation

**2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Present Rates**

<u>Line</u>	<u>GENERATION COMPONENT</u>	
	<u>FUEL PRICES, ¢/mmbtu</u>	
1	Kahe	1,055.65
2	Waiau	1,055.65
3	Honolulu	1,105.93
4	Diesel	1,707.34
	<u>BTU MIX, %</u>	
5	Kahe	70.31
6	Waiau	25.25
7	Honolulu	3.58
8	Diesel	0.86
		100.00
9	COMPOSITE COST OF GENERATION, ¢/mmbtu	1,063.05

Line 11: (Line 1x5 + line 2x6 + line 3x7 + line 4x8)

Reference:
HECO-WP-934, p. 1, line 13
HECO-WP-934, p. 2

Hawaiian Electric Company, Inc.
Determination of Composite Cost of DG Energy

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

At Present and Proposed Rates

	(A)	(B)	(C)	(D)	(E) (colD ÷ colC x 100)	(F) (colD ÷ colB x 100)
Line	DG Unit Location	Net to System (Kwh)	Fuel Consumed (Mbtu)	Fuel Expense (\$)	Fuel Cost (¢/mbtu)	Fuel Cost (¢/kwh)
1	Substation DG	21,840,000	223,030	3,975,733	1782.60	18.204
2					0.00	0.000
3					0.00	0.000
4					0.00	0.000
5	Total	21,840,000	223,030	3,975,733	1782.60	18.204

6	Composite DG Fuel Cost	1782.60 ¢/mbtu
---	---------------------------	----------------

7	Composite Cost of DG Energy	18.204 ¢/kwh
---	-----------------------------------	--------------

Col B: HECO-409 page 2

Col C: HECO-409 page 2

Col D: HECO-404 page 2

Hawaiian Electric Company, Inc.
Avoided Energy Cost Payment Rates and Schedule Q

**2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Proposed Rates**

<u>Avoided Energy Rate - over 100 kW</u>		<u>Source</u>
On-Peak	14.64 ¢/Net Kwh	HECO-WP-934, p. 6
Off-Peak	11.08 ¢/Net Kwh	HECO-WP-934, p. 6.

Schedule Q Payment Rates - Under 100kW

Payment Rate	12.97 ¢/Net Kwh	HECO-WP-934, p. 7.
--------------	-----------------	--------------------

Hawaiian Electric Company, Inc.
Determination of Composite Cost of Total (Central Station and DG) Generation
For Avoided Cost Calculation Purposes

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Proposed Rates

<u>Line</u>	<u>CENTRAL STATION ENERGY COMPONENT</u>	<u>Line</u>	<u>DG ENERGY COMPONENT</u>
1	Composite Cost of Centrl Stn Gen. 1063.28 ¢/Mbtu	4	Composite Cost of DG Generation 1782.60 ¢/Mbtu
2	Percent of Centrl Stn Gen. Btu Mix 99.56 %	5	Percent of DG Gen. Btu Mix (100 - line 3) 0.44 %
3	Weighted Composite Cost of Central Station (line 1 x line 2) 1058.6016 ¢/Mbtu	6	Weighted Composite Cost of DG (line 4 x line 5) 7.8434 ¢/Mbtu
<u>Line Total Generation Composite Cost</u>			
7	Composite Cost of Central Station and DG (line 3 + line 6)		1066.45 ¢/Mbtu

Line 1: HECO-WP-936 page 2, line 11
 Line 2: HECO-WP-936 page 6, line 1 col.(B)
 Line 4: HECO-WP-936 page 5, line 6
 Line 5: HECO-WP-936 page 6, line 2 col.(B)

Hawaiian Electric Company, Inc.

DERIVATION OF
AVOIDED ENERGY COST PAYMENT RATES
Avoided Energy Rate - over 100 KW2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Proposed Rates

Line	ON-PEAK	OFF-PEAK	SOURCE
1 Heat Rate	13,382 BTU / NET KWH	9,929 BTU / NET KWH	Docket #4569, HECO-101 Test Year 2007 Composite Fuel Cost.
Composite Fuel Cost of Total			
2 Generation (Centrl Stn & DG)	1,066.45 ¢ / MMBTU	1,066.45 ¢ / MMBTU	
3 1 MMBTU / 1,000,000 BTU	1,000,000 BTU / MMBTU	1,000,000 BTU / MMBTU	
4 Unadjusted Payment Rate (line 1 x 2) / line 3	14.27 ¢ / NET KWH	10.59 ¢ / NET KWH	
5 O&M Adjustment	<u>0.37</u> ¢ / NET KWH	<u>0.49</u> ¢ / NET KWH	Appendix A, D&O 8298
BASE Avoided Energy			
6 Payment Rate	<u>14.64</u> ¢ / NET KWH	<u>11.08</u> ¢ / NET KWH	

Reference: Line 2: HECO-WP-936, pg. 7, line 7.

Hawaiian Electric Company, Inc.

DERIVATION OF
SCHEDULE "Q" PAYMENT RATES
Schedule "Q" Rate - Under 100 KW2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Proposed Rates

Line	ON-PEAK	OFF-PEAK	SOURCE
1 Heat Rate	13,382 BTU / NET KWH	9,929 BTU / NET KWH	Docket #7766
Composite Fuel Cost of Total			Test Year 2007
2 Generation (Centrl Stn & DG)	1,066.45 ¢ / MMBTU	1,066.45 ¢ / MMBTU	Composite Fuel Cost.
3 1 MMBTU / 1,000,000 BTU	1,000,000 BTU / MMBTU	1,000,000 BTU / MMBTU	
4 Unadjusted Payment Rate (line 1 x 2) / line 3	14.27 ¢ / NET KWH	10.59 ¢ / NET KWH	
5 Power Factor Adjustment	-0.12 ¢ / NET KWH	-0.28 ¢ / NET KWH	Appendix A, D&O 8298
6 O&M Adjustment	0.37 ¢ / NET KWH	0.49 ¢ / NET KWH	Appendix A, D&O 8298
Pre Time-Weighted "Q" Payment			
7 Rate (line 4 + line 5 + line 6)	14.52 ¢ / NET KWH	10.80 ¢ / NET KWH	
8 Hour Weighting	x 14/24 HOURS / HOURS	x 10/24 HOURS / HOURS	
Time-weighted Peak Time-Related Schedule "Q" Energy Payment			
9 Rate (line 7 x 8)	8.47 ¢ / NET KWH	4.50 ¢ / NET KWH	
10 Time-Weighted "Q" ON PEAK Payment Rate	8.47 ¢ / NET KWH		
11 Time-Weighted "Q" OFF PEAK Payment Rate	4.50 ¢ / NET KWH		
Schedule "Q" Energy Payment			
12 Rate (line 10 + line 11)	12.97 ¢ / NET KWH		
13 Base 1996 Schedule "Q" Energy Payment Rate	3.67 ¢ / NET KWH		Filed January 1, 1996
Difference Between 2007 Test Year Update			
14 and Base Sch "Q" Rates (line 12 - line 13)	9.30 ¢ / NET KWH		

Reference: Line 2: HECO-WP-936, pg. 7, line 7.

Hawaiian Electric Company, Inc.
Determination of Percent of Purchased Energy Mix,
Payment Rate (in ¢/kwh) and
Composite Cost of Purchased Energy (in ¢/kwh)

**2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Present and Proposed Rates**

No.	(A) Producer	(B) Gwh Purchased	(C) % to Total PP	(D) Payment Rate (¢/kwh)	(E) Weighted Cost (¢/kwh) [(colF ÷ colB) * colC * 1000]	(F) Purch Pwr Fuel Expense (\$ thous)
1	Kalaeloa					
	Fuel	1,490.2	44.17	9.760		145,448.6
	Additive			0.160		2,386.4
	Total	1,490.2		9.920	4.382	147,835.0
2	AES					
	Fuel	1,539.9	45.65	2.730	1.246	42,037.2
3	HPower					
	On Peak	196.8	5.83	12.782	0.745	25,159.8
	Off Peak	90.6	2.69	9.710	0.261	8,798.2
	On Peak - excess	0.0	0.00	0.000	0.000	0.0
	Off Peak - excess	50.0	1.48	9.710	0.144	4,853.9
	Total	337.4				38,811.9
4	Tesoro					
	On Peak	3.1	0.09	14.640	0.013	453.0
	Off Peak	2.2	0.07	11.080	0.008	244.9
	Total	5.3				697.9
5	Chevron					
	On Peak	0.4	0.01	14.640	0.001	50.3
	Off Peak	0.2	0.01	11.080	0.001	27.2
	Total	0.6				77.5
6	Other	-	-	0.000	0.000	-
7	Total	3,373.5	100.00		6.802	229,459.5
8	Composite Cost of Purchased Energy					6.802 ¢/kwh

= settlement change

Line 1: HECO-WP-501, pg. 1

Line 2: HECO-WP-503, pg. 1

Line 3: HECO-WP-504, pg. 2

Lines 4&5: HECO-504

Line 7, col B: HECO-403, line 6

HAWAIIAN ELECTRIC COMPANY, INC.
Composite Cost of Central Station Generation

**2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Proposed Rates**

<u>Line</u>	<u>GENERATION COMPONENT</u> Central Station and Other	
	<u>FUEL PRICES, ¢/mmbtu</u>	
1	Kahe	1,055.97
2	Waiau	1,055.65
3	Honolulu	1,105.93
4	Diesel	1,707.34
5	Other	0.00
	<u>BTU MIX, %</u>	
6	Kahe	70.31
7	Waiau	25.25
8	Honolulu	3.58
9	Diesel	0.86
10	Other	0.00
		<u>100.00</u>
11	COMPOSITE COST OF GENERATION, Central Stn + Other ¢/mmbtu	
		1,063.28

Line 11: (Line 1x6 + line 2x7 + line 3x8 + line 4x9 + line 5x10)

Reference:

HECO-WP-934, p. 1, line 20

HECO-WP-936, p. 1

Hawaiian Electric Company, Inc.
Determination of Fixed Efficiency Factor or Sales Heat Rate (Mbtu / Kwh Sales)
2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case
At Proposed Rates

<u>Line</u>		<u>Reference</u>
<u>Total Central Station Fuel Sales Heat Rate</u>		
1	Total Central Station Fuel Consumed 50,322,213 Mbtu	HECO-409 page 2
2	Sales 7,720.8 Gwh	HECO-403, line 1
3	% of Central Stn to Total System 58.15 Percent	HECO-403, line 7a
4	Kwh/Gwh Conversion 1,000,000 kwh/gwh	
5	Sales Heat Rate [line 1 ÷ (line 2 x line 3 x line 4)] 0.011209 Mbtu/Kwh Sales	
<u>LSFO Sales Heat Rate</u>		
6	LSFO Fuel Consumed 49,890,405 Mbtu	HECO-409 page 2
7	Sales 7,720.8 Gwh	HECO-403, line 1
8	% of LSFO Fuel Generation to Total System 57.99 Percent	HECO-936 page 8
9	Kwh/Gwh Conversion 1,000,000 kwh/gwh	
10	Sales Heat Rate [line 6 ÷ (line 7 x line 8 x line 9)] 0.011143 Mbtu/Kwh Sales	
<u>Diesel Fuel Sales Heat Rate</u>		
11	Diesel Fuel Consumed 431,808 Mbtu	HECO-409 page 2
12	Sales 7,720.8 Gwh	HECO-403, line 1
13	% of Diesel Fuel Generation to Total System 0.16 Percent	HECO-936 page 8
14	Kwh/Gwh Conversion 1,000,000 kwh/gwh	
15	Sales Heat Rate [line 11 ÷ (line 12 x line 13 x line 14)] 0.034955 Mbtu/Kwh Sales	
<u>HECO Other Sales Heat Rate</u>		
16	Total Central Station Fuel Consumed 50,322,213 Mbtu	
17	Sales 7,720.8 Gwh	
18	% of Central Stn to Total System 58.15 Percent	
19	Kwh/Gwh Conversion 1,000,000 kwh/gwh	
20	Sales Heat Rate [line 16 ÷ (line 17 x line 18 x line 19)] 0.011209 Mbtu/Kwh Sales	

Hawaiian Electric Company, Inc.
DG and Purchased Energy Loss Factor Calculations

2007 Test Year - Adjustment for D&O 23768 - TY05 Rate Case

At Proposed Rates

<u>Line</u>		<u>Reference</u>
1	Net to System (gwh) 8,113.0	HECO-403, line 5
2	Sales (gwh) 7,720.8	HECO-403, line 1
3	DG & Purchase Power Loss Factor 1.051	Line 1 ÷ Line 2

Hawaiian Electric Company, Inc.
Docket No. 2006-0386
2007 Test Year Rate Case
Electric Sales Revenues at Current Effective Rates
(\$000s)

Line #	Description	Revenues @ Current Effective Rates	Explanation	Reference
1	Updated Test Year Electric Sales Revenues	\$1,404,092.40	Includes 8 months of revenues in the test year for the interim surcharge for DG fuel and trucking and LSFO trucking costs at current effective rates, as approved by Order No. 23377 in Docket No. 04-0113. Calculation: $(0.0694 \text{ cents/kWh} \times 8/12 \times 7,720,801 \text{ forecasted MWh}) = \$3,572.1$	June 2007 Update, HECO T-3, pages 4 and 6, Supplemental
2	Adjustment - Additional Test Year Revenues for the Interim Surcharge for DG Fuel and Trucking and LSFO Trucking Costs	\$1,786.08	In Settlement, HECO agreed to include \$5,358.2 (\$3,572.1 + \$1,786.08) of revenues in the test year, which constitutes 12 months of revenue for the interim surcharge for DG fuel and trucking and LSFO trucking costs. The adjustment of \$1,786.08 represents the 4 additional months of interim surcharge revenues at current effective rates. Calculation: $(0.0694 \text{ cents/kWh} \times 4/12 \times 7,720,801 \text{ forecasted MWh})$	Stipulated Settlement Letter, filed September 6, 2007, Exhibit 1, page 1. See also August 2007 Supplement filed September 6, 2007, HECO T-3, Attachment 1, page 1.
3	Adjustment - Additional Test Year ECAC Revenues	\$694.87	In Settlement, the parties agreed on the methodology for calculating the Energy Cost Adjustment Factors ("ECAF") and the ECAF of \$7.340 cents/kWh at present rates. The adjustment of \$694.87 represents the additional test year ECAC revenues, which incorporates the net change in the ECAFs at present rates of .009 cents/kWh (7.340 cents/kWh per Settlement minus 7.331 cents/kWh per June 2007 Update). Calculation: $(.009 \text{ cents/kWh multiplied by } 7,720,801 \text{ forecasted MWh})$	Stipulated Settlement Letter, filed September 6, 2007, Exhibit 1, pages 2 - 4 and HECO T-9 Attachment 7, page 1. See also August 2007 Supplement filed September 6, 2007, HECO T-3, Attachment 1, page 1.
4	Rounding Differences	(\$0.35)		
5	Electric Sales Revenue	<u>\$1,406,573.00</u>		Interim Decision and Order No. 23749, Exhibit A, page 1

HECO T-3
ATTACHMENT 1
PAGE 1 OF 1
AUGUST 2007 SUPPLEMENT

Hawaiian Electric Company, Inc.
Docket No. 2006-0386
Test Year 2007

Estimation of Test Year Revenue - June 2007 Update										
Present Rates (\$000S)						Current Effective Rates (\$000s)				
Line	Rate Schedule	Forecast MWh	Base [2]	AES [3]	FOA [4]	Total [5]	Interim Rate increase % [6]	Base Including Interim Increase [7]	INTERIM SURCHARGE ¹ [10]	Total [11]
1 R		2,128,900	\$261,394.4	(\$1,061.5)	\$156,261.3	\$416,594.2	6.60%	\$278,646.4	(\$1,061.5)	\$155,261.3
2 G		371,800	\$50,759.8	(\$206.1)	\$27,290.1	\$77,843.8	5.97%	\$53,790.2	(\$206.1)	\$27,290.1
3 J		2,068,800	\$208,703.1	(\$847.3)	\$151,849.9	\$359,705.7	6.40%	\$222,060.1	(\$847.3)	\$151,849.9
4 H		40,500	\$4,138.4	(\$16.8)	\$2,972.7	\$7,094.3	6.68%	\$4,414.8	(\$16.8)	\$2,972.7
5 PS		835,857	\$74,357.4	(\$301.9)	\$61,351.9	\$135,407.4	7.65%	\$80,045.7	(\$301.9)	\$61,351.9
6 PP		2,061,983	\$169,136.5	(\$686.7)	\$151,349.6	\$319,798.4	7.04%	\$181,042.6	(\$686.7)	\$151,349.6
7 PT		175,161	\$13,316.4	(\$54.1)	\$12,856.8	\$26,119.1	0.00%	\$13,316.4	(\$54.1)	\$12,856.8
8 F		37,800	\$4,008.7	(\$16.3)	\$2,774.5	\$6,766.9	9.33%	\$4,382.7	(\$16.3)	\$2,774.5
9 Total		7,720,801	\$785,813.7	(\$3,190.7)	\$566,706.8	\$1,349,329.8		\$837,698.9	(\$3,190.7)	\$566,706.8
									\$5,358.2	\$1,406,573.2

¹ Interim Surcharge for DG Fuel, DG Trucking, LSFO Trucking of 0.0694 cents/kWh is applied to Forecast MWh

Diff = \$51,865.20 Interim Increase in 2005 Test Year Rate Card

Estimation of Test Year Revenue - Direct Testimony											
Present Rates (\$000S)						Current Effective Rates (\$000s)					
Line	Rate Schedule	Forecast MWh	Base [2]	AES [3]	FOA [4]	Total [5]	Interim Rate Increase % [6]	Base Including Interim Increase [7]	AES [8]	FOA [9]	Total [10]
											Total [11]
10 R		2,128,900	\$261,396.5	(\$1,061.5)	\$155,388.4	\$415,723.4	6.60%	\$278,648.7	(\$1,061.5)	\$155,388.4	\$432,975.6
11 G		371,800	\$50,759.8	(\$206.1)	\$27,137.7	\$77,691.4	5.97%	\$53,790.2	(\$206.1)	\$27,137.7	\$80,721.8
12 J		2,068,800	\$208,770.8	(\$847.6)	\$151,001.7	\$358,924.9	6.40%	\$222,132.1	(\$847.6)	\$151,001.7	\$372,286.2
13 H		40,500	\$4,138.4	(\$16.8)	\$2,956.1	\$7,077.7	6.68%	\$4,414.8	(\$16.8)	\$2,956.1	\$7,354.1
14 PS		835,857	\$74,352.2	(\$301.9)	\$61,009.2	\$135,059.5	7.65%	\$80,040.1	(\$301.9)	\$61,009.2	\$140,747.4
15 PP		2,061,983	\$169,286.6	(\$687.3)	\$150,504.1	\$319,790.4	7.04%	\$181,204.4	(\$687.3)	\$150,504.1	\$331,021.2
16 PT		175,161	\$13,316.4	(\$54.1)	\$12,785.0	\$26,047.3	0.00%	\$13,316.4	(\$54.1)	\$12,785.0	\$26,047.3
17 F		37,800	\$4,008.7	(\$16.3)	\$2,759.0	\$6,761.4	9.33%	\$4,382.7	(\$16.3)	\$2,759.0	\$7,125.4
18 Total		7,720,801	\$786,029.4	(\$3,191.6)	\$563,541.2	\$1,345,379.0		\$837,929.4	(\$3,191.6)	\$563,541.2	\$1,398,279.0

Hawaiian Electric Company, Inc.
Adjusted Interim at Current Effective Rates
Results of Operations

	(\$ Thousands)		Revenue Requirements to Produce 8.62% Return on Average Rate Base
	Current Effective Rates	Additional Amount	
Electric Sales Revenue	1,398,765	77,065	1,475,830
Other Operating Revenue	3,406	718	4,124
Gain on Sale of Land	500		500
TOTAL OPERATING REVENUES	1,402,671	77,783	1,480,454
Fuel	543,874		543,874
Purchased Power	387,492		387,492
Production	67,597		67,597
Transmission	10,272		10,272
Distribution	24,663		24,663
Customer Accounts	11,720		11,720
Allowance for Uncoll. Accounts	970	0	970
Customer Service	5,890		5,890
Administration & General	69,189		69,189
Gen Excise Tax Rate Incr Adj	328		328
Operation and Maintenance	1,121,995	0	1,121,995
Depreciation & Amortization	78,763		78,763
Amortization of State ITC	(1,304)		(1,304)
Taxes Other Than Income	130,706	6,894	137,600
Interest on Customer Deposits	377		377
Income Taxes	15,593	27,583	43,176
TOTAL OPERATING EXPENSES	1,346,130	34,477	1,380,607
OPERATING INCOME	56,541	43,306	99,847
AVERAGE RATE BASE	1,159,090	(774)	1,158,316
RATE OF RETURN ON AVERAGE RATE BASE	4.88%		8.62%

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates

COMPOSITE EMBEDDED COST OF CAPITAL

Estimated Average

	A	B	C	D
	Capitalization			
	Amount in Thousands	Percent of Total	Earnings Reqmts	Weighted Earnings Reqmts (B) x (C)
Short-Term Debt	38,971	3.08	5.00%	0.154%
Long-Term Debt	480,727	38.01	6.09%	2.314%
Hybrid Securities	27,556	2.18	7.47%	0.163%
Preferred Stock	20,586	1.63	5.51%	0.090%
Common Equity	696,826	55.10	10.70%	5.896%
Total	1,264,666	100.00		
Estimated Composite Cost of Capital				8.617%
			or	<u>8.62%</u>

DOCKET NO. 2006-0386
WITHOUT INTEREST SYNCHRONIZATION

Hawaiian Electric Company, Inc.

EXHIBIT 3
PAGE 3 OF 13

Adjusted Interim at Current Effective Rates
AVERAGE RATE BASE
(\$ Thousands)

	Beginning Balance	End of Year Balance	Average Balance
Investments in Assets Serving Customers			
Net Cost of Plant in Service	1,331,363	1,370,649	1,351,006
Property Held for Future Use	517	3,567	2,042
Fuel Inventory	53,084	53,084	53,084
Materials & Supplies Inventories	12,838	12,838	12,838
Unamort. Net SFAS 109 Reg. Asset	53,483	55,970	54,727
Pension Asset	0	0	0
OPEB Amount	0	0	0
Unamort Sys Dev Costs	0	4,642	2,321
Unamort DSG Reg Asset	0	0	0
ARO Reg Asset	27	26	27
Total Investments in Assets	1,451,312	1,500,776	1,476,045
Funds From Non-Investors			
Unamortized CIAC	164,092	176,802	170,447
Customer Advances	1,001	756	879
Customer Deposits	6,369	6,827	6,598
Accumulated Def. Income Taxes	135,254	130,294	132,774
Unamort State ITC (Gross)	28,523	30,044	29,284
Unamortized Gain on Sale	1,582	1,214	1,398
Total Deductions	336,821	345,937	341,380
Difference			1,134,665
Working Cash at Current Effective Rates			24,425
Rate Base at Current Effective Rates			1,159,090
Change in Rate Base - Working Cash			(774)
Rate Base at Proposed Rates			1,158,316

DOCKET NO. 2006-0386
WITHOUT INTEREST SYNCHRONIZATION
Hawaiian Electric Company, Inc.

EXHIBIT 3
PAGE 4 OF 13

Adjusted Interim at Current Effective Rates
WORKING CASH ITEMS

(\$ Thousands)

	A	B	C	D
	COLLECTION	PAYMENT	NET	
	LAG	LAG	COLLECTION	ANNUAL
	(DAYS)	(DAYS)	LAG	AMOUNT
			(DAYS)	
			(A - B)	
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	37	17	20	537,767
O&M Labor	37	11	26	88,209
O&M Nonlabor	37	34	3	100,922
Pension Asset Amortization	37	0	37	-
ITEMS THAT PROVIDE WORKING CASH				
Revenue Taxes	37	66	(29)	124,412
Income Taxes-Present Rates	37	40	(3)	17,728
Income Taxes-Proposed Rates	37	40	(3)	45,311
Purchased Power	37	39	(2)	387,492
	E	F	G	H
	AVERAGE	WORKING	AVERAGE	WORKING
	DAILY	CASH	DAILY	CASH
	AMOUNT	(PRESENT	AMOUNT	(PROPOSED
	(D/365)	RATES)	(PROPOSED)	RATES)
		(C X E)		(C X G)
ITEMS REQUIRING WORKING CASH				
Fuel Oil Purchases	1,473	29,467	1,473	29,467
O&M Labor	242	6,283	242	6,283
O&M Nonlabor	276	829	276	829
Pension Asset Amortization	0	0	0	0
ITEMS THAT PROVIDE WORKING CASH				
Purchased Power	1,062	(2,123)	1,062	(2,123)
Revenue Taxes	341	(9,885)	360	(10,432)
Income Taxes-Present Rates	49	(146)		
Income Taxes-Proposed Rates	124	-	124	(372)
Total		24,425		23,652
Change in Working Cash				(773)

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
COMPUTATION OF INCOME TAX EXPENSE

(\$ Thousands)

	Current Effective Rates	Adjustment	At Proposed Rates
Operating Revenues	1,402,671	77,783	1,480,454
Operating Expenses:			
Fuel Oil and Purchased Power	931,366		931,366
Other Operation & Maintenance Expense	190,629	0	190,629
Depreciation	78,763		78,763
Amortization of State ITC	(1,304)		(1,304)
Taxes Other than Income	130,706	6,894	137,600
Interest on Customer Deposits	377		377
Total Operating Expenses	1,330,537	6,894	1,337,431
Operating Income Before Income Taxes	72,134	70,889	143,023
Tax Adjustments:			
Interest Expense	(30,597)		(30,597)
Meals and Entertainment	81		81
	(30,516)	0	(30,516)
Taxable Income at Ordinary Rates	41,618	70,889	112,507
Income Tax Exp at Ordinary Rates	16,193	27,583	43,776
Tax Benefit of Domestic Production Activities Deduction	577		577
Tax Effect of Deductible Preferred Stock Dividends	23		23
TOTAL INCOME TAX EXPENSE	15,593	27,583	43,176

DOCKET NO. 2006-0386
WITHOUT INTEREST SYNCHRONIZATION

EXHIBIT 3
PAGE 6 OF 13

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
COMPUTATION OF TAXES OTHER THAN INCOME TAX

(\$ Thousands)

	Rate	At Curr Eff Rates	Adjustment	At Proposed Rates
Electric Sales Revenue		1,398,765	77,065	1,475,830
Other Operating Revenue		3,406	718	4,124
Operating Revenues		1,402,171	77,783	1,479,954
Public Service Tax	5.885%	82,461	4,578	87,039
PUC Fees	0.500%	7,006	389	7,395
Franchise Tax	2.500%	34,945	1,927	36,872
Payroll Tax		6,294		6,294
TOTAL TAXES OTHER THAN INCOME TAX		130,706	6,894	137,600

DOCKET NO. 2006-0386
WITHOUT INTEREST SYNCHRONIZATION

EXHIBIT 3
PAGE 7 OF 13

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
CALCULATIONS OF REVENUE REQUIREMENTS

(\$ Thousands)

OPERATING INCOME AT CURRENT EFFECTIVE RATES:

Operating Revenues	1,402,671
Fuel and Purchased Power Expenses	931,366
Other O&M Expenses	190,629
Depreciation & Amortization Expense	78,763
Amortization of State ITC	(1,304)
Taxes Other than Income	130,706
Interest on Customer Deposits	377
Income Taxes	15,593
Total Operating Expenses	1,346,130

OPERATING INCOME AT CURRENT EFFECTIVE RATES	56,541
---	--------

CALCULATIONS OF REVENUE REQUIREMENTS:

OPERATING INCOME

Rate Base at Proposed Rates	1,158,316
Proposed Rate of Return on Rate Base	x 8.62%
Operating Income	99,847

Less: Operating Income at Current Effective Rate	56,541
--	--------

INCREASE IN OPERATING INCOME	43,306
------------------------------	--------

OPERATING REVENUES:

Increase in Operating Income	43,306
Operating Income Divisor (divided by)	0.55677

INCREASE IN OPERATING REVENUES	77,783
--------------------------------	--------

Increase in Electric Sales Revenue	77,065
Other Operating Revenue Rate	x 0.932%
Increase in Other Operating Revenues	718
	77,783

DOCKET NO. 2006-0386
WITHOUT INTEREST SYNCHRONIZATION

EXHIBIT 3
PAGE 8 OF 13

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
CALCULATIONS OF REVENUE REQUIREMENTS

(\$ Thousands)

BAD DEBT:		
Increase in Electric Revenues		77,065
Bad Debt Rate	x	0.0000
INCREASE IN BAD DEBT EXPENSE		0
REVENUE TAX:		
Increase in Operating Revenues		77,783
Less: Increase in Bad Debt Expense		0
		77,783
PSC Tax & PUC Fees Rate	x	6.385%
		4,967
Increase in Electric Revenues		77,065
Less: Increase in Bad Debt Expense		0
		77,065
Franchise Tax Rate	x	2.500%
		1,927
INCREASE IN REVENUE TAX		6,894
INCOME TAX:		
Increase in Operating Revenues		77,783
Effective Income Tax Rate after considering revenue tax & bad debt	x	35.462%
INCREASE IN INCOME TAX		27,583
INCREASE IN OPERATING INCOME (check)		43,306

CHANGE IN RATE BASE:

DOCKET NO. 2006-0386
WITHOUT INTEREST SYNCHRONIZATION

EXHIBIT 3
PAGE 9 OF 13

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
CALCULATIONS OF REVENUE REQUIREMENTS

(\$ Thousands)

	A	B	C	D
	EXPENSE	AVERAGE	NET	WORKING
	AMOUNT	DAILY	COLLECTION	CASH
		AMOUNT	LAG (DAYS)	REQMT
		(A/365)		(B) x (C)
Increase in Revenue Tax	6,894	19	(29)	(548)
Income Tax at present rates	17,728	49	(3)	146
Income Tax at proposed rate	45,311	124	(3)	(372)
CHANGE IN RATE BASE - WORKING CASH				(774)
Rate Base at Present Rates				1,159,090
PROPOSED RATE BASE				1,158,316
Operating Income at Present Rates				56,541
Increase in Operating Income				43,306
OPERATING INCOME AT PROPOSED RATES				99,847
PROPOSED RATE OF RETURN ON RATE BASE (check)				8.62%

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
SUPPORT WORKSHEET

OPERATING REVENUES:

Electric Sales Revenues	1,398,765
Other Operating Revenues	3,406
Gain on Sale of Land	500
TOTAL OPERATING REVENUES	<u>1,402,671</u>

FUEL OIL AND PURCHASE POWER EXPENSES:

Fuel Oil Expense	537,767
Fuel Related Non-labor Exp	5,207
Fuel Handling Labor Expense	900
Fuel Oil Expense	<u>543,874</u>
Purchased Power Expense	<u>387,492</u>
TOTAL FUEL OIL AND PURCHASE POWER EXPENSES	<u>931,366</u>

OTHER OPERATION & MAINTENANCE EXPENSES:

Production	67,597
Transmission	10,272
Distribution	24,663
Customer Account	11,720
Allowance for Uncollectible Accounts	970
Customer Service	5,890
Administration & General	69,189
Gen Excise Tax Rate Incr Adj	328
TOTAL OTHER OPERATION & MAINTENANCE EXPENSES	<u>190,629</u>

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
SUPPORT WORKSHEET

TOTAL FUEL OIL & PP AND OTH O&M EXPENSES (LABOR/NONLABOR)	
Fuel Oil Expense	537,767
Purchase Power Expense	387,492
Total Labor Expense	
Labor Expense	88,209
Total Labor Expense	88,209
Total Nonlabor Expense	
Nonlabor Expense	103,320
Fuel Related Expense	5,207
Payroll Taxes	6,294
Bad Debt Expense	(970)
Pension Expense	(12,929)
Pension Asset Amortization	0
	100,922
TOTAL FUEL OIL & PP, OTH O&M AND PR TAX EXPENSES	1,114,390
REVENUE TAX	
Public Service Tax	
Electric Sales Revenues	1,398,765
Other Operating Revenues	3,406
Less: Bad Debt Expense	(970)
Operating Revenues subject to PSC Tax	1,401,201
Public Service Tax Rate	x 5.885%
Total PSC Tax	82,461
PUC Fees	
Electric Sales Revenues	1,398,765
Other Operating Revenues	3,406
Less: Bad Debt Expense	(970)
Operating Revenues subject to PSC Tax	1,401,201
PUC Tax Rate	x 0.500%
Total PUC Tax	7,006

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
SUPPORT WORKSHEET

Franchise Tax		
Electric Sales Revenues		1,398,765
Less: Bad Debt Expense		(970)
		<hr/>
		1,397,795
Franchise Tax Rate	x	2.500%
Total Franchise Tax		<hr/>
		34,945
TOTAL REVENUE TAX		<hr/>
		124,412
INTEREST EXPENSE:		
Interest Charged to Operations		33,275
AFUDC Debt		(2,678)
		<hr/>
TOTAL INTEREST EXPENSE		30,597
INCOME TAX EXPENSE SUMMARY		
Current		17,728
Deferred		(4,960)
State ITC		2,825
Pension Asset Amortization		0
		<hr/>
TOTAL INCOME TAX EXPENSE		15,593
CALCULATIONS OF REVENUE TAX RATE:		
Franchise Tax Rate adjusted for Change in Oth Oper		
Revenues and Bad Debt		0.02477
PSC Tax Rate adjusted for Bad Debt		0.05885
PUC Tax Rate adjusted for Bad Debt		<hr/>
		0.00500
REVENUE TAX RATE		<hr/>
		0.08862
CALCULATIONS OF COMPOSITE INCOME TAX RATE:		
State Tax Rate		0.06015
Federal Tax Rate		0.35000
State Tax Rate		0.06015
Federal Tax Rate	x	<hr/>
		0.35000
Federal Tax Effect on State Tax		<hr/>
		(0.02105)
COMPOSITE INCOME TAX RATE		<hr/>
		0.38910

Hawaiian Electric Company, Inc.

Adjusted Interim at Current Effective Rates
SUPPORT WORKSHEET

CALCULATIONS OF COMPOSITE CAPITAL GAINS TAX RATE:

State Capital Gains Tax Rate		0.03759
Federal Tax Rate		0.35000
State Capital Gains Tax Rate		0.03759
Federal Tax Rate	x	0.35000
Federal Tax Effect on State Capital Gains Tax Rate		(0.01316)
COMPOSITE CAPITAL GAINS TAX RATE		0.37444

CALCULATIONS OF EFFECTIVE INCOME TAX RATE:

PSC Tax & PUC Fees Rates adjusted for Bad Debt		0.06385
Franchise Tax adjusted for Change in Oth Oper Rev and Bad Debt		0.02477
Bad Debt Rate adjusted for Change in Oth Oper Rev		-
Revenue Tax and Bad Debt rate		0.08862
Rev Tax & Bad Debt Reciprocal (1 - 0.08862)		0.91138
Composite Income Tax Rate	x	0.38910
EFFECTIVE INCOME TAX RATE AFTER CONSIDERING REVENUE TAX & BAD DEBT		0.35462

CALCULATIONS OF OPERATING INCOME DIVISOR:

PSC Tax & PUC Fees Rates		0.06385
Franchise Tax adjusted for Change in Oth Oper Rev		0.02477
Bad Debt Rate adjusted for Change in Oth Oper Rev		-
Effective Income Tax Rate after considering revenue tax & bad debt		0.35462
		0.44323
OPERATING INCOME DIVISOR (1 - 0.44323)		0.55677

HECO T-9
ATTACHMENT 2
PAGE 1 OF 1

Regular employee DSM Positions.xls

Attachment 2
Regular HECO Employees
DSM Labor Hours and Expenses

Line		(150) Hours	SLR	Total	(421) NPW	(406) Corp Adm	(422) Emp Ben	(423) PR Taxes	(150) + (421) Labor	Non-Labor	TOTAL
1	Director	90.00	41.59	3,743.10	4.26	393.40	12.30	306.19	4,126.50	1,748.89	5,875.39
2	PM Commercial	1,102.00	32.79	36,134.58	4.26	4,694.52	12.30	1,107.00	40,829.10	20,620.87	61,449.97
3	CEP Analyst	602.00	32.79	19,739.58	4.26	2,564.52	12.30	1,354.60	22,304.10	11,264.76	33,568.86
4	CEP Analyst	324.00	32.79	10,623.96	4.26	1,380.24	12.30	740.40	12,004.20	6,062.76	18,066.96
5	Rate Analysts	80.00	32.79	2,623.20	4.26	340.80	12.30	894.00	3,457.20	1,728.60	5,185.80
6	Clerk	480.00	24.23	11,630.40	4.26	2,044.80	12.30	580.40	13,675.20	6,845.77	20,520.97
7	Total	2,678.00		84,484.82		11,408.28		6,911.68	95,903.10	49,840.02	145,743.12
8	Director	90.00	41.59	3,743.10	4.26	393.40	12.30	306.19	4,126.50	1,748.89	5,875.39
9	PM Commercial	543.00	32.79	17,804.97	4.26	2,313.18	12.30	676.90	20,118.15	10,160.74	30,278.89
10	CEP Analyst	602.00	32.79	19,739.58	4.26	2,564.52	12.30	1,354.60	22,304.10	11,264.76	33,568.86
11	CEP Analyst	324.00	32.79	10,623.96	4.26	1,380.24	12.30	740.40	12,004.20	6,062.76	18,066.96
12	Rate Analysts	80.00	32.79	2,623.20	4.26	340.80	12.30	894.00	3,457.20	1,728.60	5,185.80
13	Total	1,619.00		53,879.01		6,896.94		4,407.30	60,775.95	30,359.87	91,135.82
14	PM Commercial	176.00	32.79	5,771.04	4.26	749.76	12.30	2,164.80	6,520.80	3,293.35	9,814.15
15	CEP Analyst	620.00	32.79	20,329.80	4.26	2,641.20	12.30	7,925.00	22,971.00	11,601.58	34,572.58
16	CEP Analyst	324.00	32.79	10,623.96	4.26	1,380.24	12.30	3,985.20	12,004.20	6,062.76	18,066.96
17	CTAD	1,044.00	32.79	34,232.76	4.26	4,447.44	12.30	1,284.24	38,690.24	19,535.56	58,225.80
18	Rate Analysts	68.00	32.79	2,229.72	4.26	289.68	12.30	836.40	2,519.40	1,272.43	3,791.83
19	Clerk	288.00	24.23	6,978.24	4.26	1,226.88	12.30	3,542.40	8,205.12	5,187.46	13,392.58
20	Total	2,520.00		80,165.52		10,735.20		30,996.00	90,900.72	46,953.14	137,853.86
21	PM Residential	753.00	32.79	24,690.87	4.26	3,207.78	12.30	9,261.90	27,898.65	14,090.30	41,988.95
22	CEP Analyst	324.00	32.79	10,623.96	4.26	1,380.24	12.30	3,985.20	12,004.20	6,062.76	18,066.96
23	CEP Analyst	602.00	32.79	19,739.58	4.26	2,564.52	12.30	1,354.60	22,304.10	11,264.76	33,568.86
24	Clerk	114.00	24.23	2,762.22	4.26	485.64	12.30	1,402.20	2,550.00	1,272.43	3,822.43
25	Total	1,271.00		40,700.25		5,414.46		15,533.30	46,114.71	23,703.41	69,818.12
26	PM Residential	368.00	32.79	12,065.72	4.26	1,567.68	12.30	4,526.40	13,634.40	6,896.10	20,520.50
27	CEP Analyst	318.00	32.79	10,427.22	4.26	1,354.68	12.30	3,911.40	11,781.90	5,950.49	17,732.39
28	Rate Analysts	68.00	32.79	2,229.72	4.26	289.68	12.30	836.40	2,519.40	1,272.43	3,791.83
29	Total	754.00		24,723.66		3,212.04		9,274.20	27,935.70	14,109.02	42,044.72
30	PM Residential	367.00	32.79	12,033.93	4.26	1,563.42	12.30	4,514.10	13,597.35	6,867.39	20,464.74
31	Total	367.00		12,033.93		1,563.42		4,514.10	13,597.35	6,867.39	20,464.74
32	PM Residential	374.00	32.79	12,263.46	4.26	1,593.24	12.30	4,600.20	13,866.70	6,998.37	20,865.07
33	Total	374.00		12,263.46		1,593.24		4,600.20	13,866.70	6,998.37	20,865.07
34	Total	9,883.00									527,915.44
35	HECO Update Adjustment										
36	CEP Analyst	67.00	32.79	2,196.93	4.26	285.42	12.30	824.10	2,482.35	1,253.72	3,736.07
37	RNC	40.00	32.79	1,311.60	4.26	170.40	12.30	492.00	1,073.30	548.20	1,621.50
38	C&I Engineer	1,904.00	32.79	62,432.16	4.26	8,111.04	12.30	23,419.20	70,543.20	35,628.07	106,171.27
39	Total	2,011.00		62,432.16		8,111.04		23,419.20	70,543.20	35,628.07	106,171.27
40	Total										112,137.83
41	Grand Total	11,594.00									640,033.27
42	PAYS										
43	CEP Analyst	614.00	32.79	20,133.06	4.26	2,615.64	12.30	7,552.20	22,748.70	11,489.30	34,238.00
44	Total with PAYS	12,208.00									674,291.27

DSM Labor detail 8/13/2007

Note:

Amount

Ⓐ \$674,291.27

Source

The above information was provided to the parties during the settlement process, as HECO T-9, Attachment 2, along with the Company's original settlement proposal, dated August 14, 2007.

\$543,458.62

See HECO 2007 Test Year Rate Case – Stipulated Settlement Letter; filed September 6, 2007.

\$130,832.65

Difference = The DSM program labor and associated corporate administration and employee benefit costs and payroll taxes (for employees that spent a small portion of their time on DSM programs) that also remained in base rates.

CERTIFICATE OF SERVICE

I hereby certify that I have this date served a copy of the foregoing **MOTION TO ADJUST INTERIM INCREASE, MEMORANDUM IN SUPPORT OF MOTION, EXHIBITS 1 -4,** together with this Certificate of Service, by hand delivery and/or by mailing a copy by United States mail, postage prepaid, to the following:

Division of Consumer Advocacy
Department of Commerce and Consumer
Affairs
335 Merchant Street, Room 326
Honolulu, HI 96813

Randall Y. K. Young
Associate Counsel (Code 09C)
Naval Facilities Engineering Command, Pacific
258 Makalapa Drive, Suite 100
Pearl Harbor, HI 96860-3134

Dr. Khojasteh Davoodi, P.E.
EFACHES
NAVFAC HQ ACQ-URASO
1322 Patterson Avenue, S.E. Suite 1000
Washington Navy Yard
Washington, D.C. 20374

DATED: Honolulu, Hawaii, May 21, 2008.



THOMAS W. WILLIAMS, JR.
PETER Y. KIKUTA
DAMON L. SCHMIDT

Attorneys for
HAWAIIAN ELECTRIC COMPANY, INC.